CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, September 21, 1905.

CONTENTS.

CONSTRUCTION NEWS:
Plans and Specifications on File 93
List of Contracts Pending 93
Railways 94
Electric Railways 94
Light and Power Plants 94
Bridges 95
Buildings 95
Water Supply and Irrigation 96
Sewerage 97
Garbage Disposal 97
Streets and Roads 97
Manufacturing Plants 98
Miscellaneous Contracts 98
U. S. Possessions and Cuba 99
Contract Prices 99
READERS' WANTS 98
INDUSTRIAL NOTES 100
PROPOSALS 100

CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S), and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close	Work.	Place.	On file.	See issue.
Sept. 23	Dredging	Washington, D. C.	S	9- 7
*27	Pipe sewers	Haddonfield, N. J.	P. & S.	8-31
*29	Filters, basins, etc.	Cincinnati, O.	P. & S.	8-31
*30	Water-works	Newark, O.	P. & S.	9-21
Oct. 3	Bridge	Natchitoches, La.	P. & S.	8-31
*4	Paving	Steelton, Pa.	P. & S.	8-31
4	Sewer	Salt Lake City, Utah	P. & S.	9-14
*10	Filtration plant	Toledo, O.	P. & S.	9-14
*11	Water main	Portland, Ore.	S.	9-14
*16	Water-works	Rolla, Mo.	P. & S.	9-14
16	Sewer s't'm	Cape Girardeau, Mo.	P. & S.	9-14
Jan. *2	Water system	Manila	P. & S.	9-21
*12	Sewer system	Manila	P. & S.	9-21

*Work advertised in Engineering News.

NOTE.—We are desirous of securing specifications and bidding sheets (and plans when not too bulky) of pending work for file in our New York office for the benefit of contractors or others who may be interested in the work. If more sets than one are sent us we shall be pleased to distribute these to contractors who ask for them. When the work is advertised in Engineering News a note that the plans are filed with us will be added to the advertisement without cost.

LIST OF CONTRACTS PENDING.

Bids close. Work. Place. See issue.

LIGHT, HEAT AND POWER PLANTS

Sept. 25. Street lighting, Knoxville, Tenn. ..... Sept. 14
Sept. 25. Electric light plant, Reading, O. ..... Sept. 7
Advertised, Engineering News, Sept. 7 and 14.
Sept. 27. Wiring, Baltimore, Md. ..... Aug. 31
Sept. 27. Engine, generators, etc., Utica, N. Y. .. Sept. 21
Sept. 30. Power plant, etc., Washington, D. C. .... Aug. 3
Advertised, Eng. News, Aug. 3 to Sept. 21.
Oct. 4. Lighting system, Ft. Leavenworth, Kan. Sept. 14
Oct. 4. Generators, etc., Jacksonville, Fla. ..... Sept. 21
Nov. 1. Generators, etc., Los Angeles, Cal. ..... Sept. 14
Advertised, Eng. News, Sept. 14 to Nov. 2.
Nov. 2. Water wheels, etc., Los Angeles, Cal. .... Sept. 21
Advertised, Eng. News, Sept. 21 to Oct. 26.
Dec. 2. Water power, Porto Rico ..... Aug. 17
Advertised, Eng. News, Aug. 17 to Sept. 14.

BRIDGES.

Sept. 23. Concrete arch, Bluffton, Ind. ..... Sept. 14
Sept. 23. Culvert, Cleveland, O. ..... Sept. 14
Sept. 25. Bridge, Washington, D. C. ..... Aug. 31
Advertised, Eng. News, Aug. 31 to Sept. 28.
Sept. 26. Bridge, Mankato, Minn. ..... Sept. 14
Sept. 28. Concrete bridge, Cleveland, O. ..... Sept. 21
Sept. 29. Bridges, Springfield, O. ..... Sept. 7
Sept. 30. Bridges, Porto Rico ..... Aug. 3
Advertised, Eng. News, Aug. 3 to Sept. 21.
Sept. 30. Bridge, Troy, O. ..... Sept. 21
Oct. 2. Bridges, Peru, Ind. ..... Sept. 21
Oct. 1. Bridge, steel, Pensacola, Fla. ..... Aug. 24
Oct. 1. Steel bridge, Jefferson City, Mo. ..... Sept. 14
Oct. 2. Bridge, Peoria, Ill. ..... Sept. 14
Oct. 2. Bridges, Guthrie, Okla. ..... Sept. 14
Oct. 3. Bridge, Independence, Mo. ..... Sept. 21
Oct. 3. Bridge, San Jose, Cal. ..... Sept. 21
Oct. 2. Bridge, Port Orchard, Wash. ..... Aug. 31
Oct. 3. Bridge, Natchitoches, La. ..... Aug. 31
Advertised, Eng. News, Aug. 31 to Sept. 28.
Oct. 4. Bridge substructure, Chicago, Ill. ..... Aug. 10
Advertised, Eng. News, Aug. 10.
Oct. 4. Bridge superstructure, Chicago, Ill. ..... Aug. 10
Advertised, Eng. News, Aug. 10.
Oct. 4. Bridge, Riverside, Cal. ..... Sept. 21
Oct. 6. Bridge, Midland, S. Dak. ..... Sept. 21
Advertised, Eng. News, Sept. 21.
Oct. 7. Bridge, Jefferson, O. ..... Sept. 21
Oct. 10. Bridge approach, Columbus, O. ..... Sept. 21
Oct. 11. Bridges, steel, Stillwater, Okla. ..... Sept. 21
Oct. 30. Bridge, Camden, N. J. ..... Sept. 21
Advertised, Eng. News, Sept. 21 and 28.

BUILDINGS.

Sept. 22. Steel storehouse, New York, N. Y. ..... Sept. 14
Advertised, Eng. News, Sept. 14 and 21.
Sept. 22. School, Oneida, Wis. ..... Aug. 31
Sept. 25. Office building, Dallas, Tex. ..... Sept. 7
Sept. 25. Hotel, Monmouth, Ill. ..... Sept. 14
Advertised, Eng. News, Sept. 14.
Sept. 26. Elevators, Baltimore, Md. ..... Sept. 7
Sept. 26. Buildings, Neosho, Mo. ..... Sept. 21
Sept. 27. Hospital, Middletown, N. Y. ..... Sept. 21
Sept. 27. Electric wiring, Baltimore, Md. ..... Sept. 7
Sept. 28. Heating and ventilating, Baltimore, Md. Sept. 7
Sept. 28. Buildings, Cheyenne Agency, S. Dak. ... Aug. 31
Sept. 28. Heating, etc., Baltimore, Md. ..... Aug. 31
Advertised, Eng. News, Aug. 31 and Sept. 7.
Sept. 29. Buildings, Ft. De Soto, Fla. ..... Sept. 21
Sept. 30. Building, Washington, D. C. ..... Sept. 7
Advertised, Eng. News, Sept. 7 to Oct. 5.
Oct. 2. Court-house, Rosedale, Miss. ..... Sept. 14
Oct. 2. Laundry (Mfg. Plants), Hoyt, Kan. ..... Sept. 14
Oct. 2. Court-house, Marianna, Fla. ..... Sept. 21
Oct. 4. Buildings, Detroit, Mich. ..... Sept. 21
Oct. 4. Building, etc., Ft. Riley, Kan. ..... Sept. 14
Oct. 4. Light Fixtures, Ft. Leavenworth, Kan. .. Sept. 14
Oct. 5. Court-house, Manhattan, Kan. ..... Sept. 14
Oct. 5. Buildings, Browning, Mont. ..... Sept. 14
Oct. 5. Buildings, Minnehaha Falls, Minn. ..... Sept. 21
Oct. 7. Building, Shreveport, La. ..... Aug. 24
Oct. 10. Court-house, Enid, Okla. ..... Sept. 21
Oct. 12. Building, Fargo, N. Dak. ..... Sept. 7
Advertised, Engineering News, Sept. 7 and 14.
Oct. 13. Building, New London, Conn. ..... Sept. 21
Oct. 15. Buildings, Marietta, O. ..... Sept. 21
Oct. 16. Lighting fixtures, Ft. Monroe, Va. ..... Sept. 21
Advertised, Eng. News, Sept. 21 to Oct. 19.
Oct. 16. Court-house, Gretna, La. ..... Sept. 14
Nov. 14. Post-office, Colorado Springs, Colo. ..... Sept. 21
No date. Building materials, etc., Breen, Colo. ... Sept. 14

WATER SUPPLY AND IRRIGATION.

Sept. 21. Filtration gallery, Columbus, Ind. ..... Sept. 14
Advertised, Eng. News, Sept. 14.
Sept. 21. Pumping plant, Galveston, Tex. ..... Aug. 24
Advertised, Eng. News, Aug. 24 and 31.
Sept. 23. Intake tunnel, Chicago, Ill. ..... Sept. 7
Advertised, Engineering News, Sept. 7 and 14.
Sept. 25. Water-works, Cranbury, N. J. ..... Sept. 14
Advertised, Eng. News, Sept. 14 and 21.
Sept. 25. Dam, pipe line, etc., Danbury, Conn. .. Sept. 14
Advertised, Eng. News, Sept. 14 and 21.
Sept. 25. Water-works, Yanesville, Ind. ..... Sept. 21
Sept. 25. Pipe and specials, Reading, O. ..... Sept. 21
Sept. 26. Clearing reservoir site, Troy, N. Y. ..... Sept. 21
Sept. 26. Water pipe, etc., Lancaster, O. ..... Sept. 21
Sept. 26. Water-works, Boyd, Minn. ..... Sept. 14
Sept. 28. Water tank, Vancouver Barracks, Wash. . Aug. 31
Sept. 28. Boiler, pump, etc., Floresville, Tex. .... Sept. 14
Advertised, Eng. News, Sept. 14 and 21.
Sept. 29. Filters, reservoirs, etc., Cincinnati, O. ... Aug. 31
Advertised, Eng. News, Aug. 31 to Sept. 21.
Sept. 29. Pumps, wells, etc., Fort Screven, Ga. ... Sept. 21
Sept. 30. Water mains, etc., Ft Walla Walla, Wash. Sept. 21
Sept. 30. Water-works, Newark, O. ..... Sept. 21
Advertised, Eng. News, Sept. 21 and 28.
Oct. 2. Pumping engine, Rock Island, Ill. ..... Sept. 21
Oct. 2. Mains, generator, etc., Waupaca, Wis. . Sept. 21
Advertised, Eng. News, Sept. 21.
Oct. 3. Water and sewer system, Wash., D. C. .. Sept. 7
Oct. 4. Boilers, Chicago, Ill. ..... Sept. 21
Advertised, Eng. News, Sept. 21 and 28.
Oct. 5. Piping, Peru ..... Aug. 17
Oct. 5. Air plant, Fort Worth, Tex. ..... Sept. 21
Advertised, Eng. News, Sept. 21 and 28.
Oct. 6. Water-works, East Grand Forks, Minn. . Sept. 21
Oct. 10. Purification works, Toledo, O. ..... Sept. 14
Advertised, Eng. News, Sept. 14 to Oct. 12.
Oct. 11. Pipe and castings, Portland, Ore. ..... Sept. 14
Advertised, Eng. News, Sept. 14 and 28.
Oct. 11. Water main, Portland, Ore. ..... Sept. 14
Advertised, Eng. News, Sept. 14 and 28.
Oct. 11. Pipe, dam, Williamsburg, Pa. ..... Sept. 21
Advertised, Eng. News, Sept. 21.
Oct. 13. Pipe laying, filter sand, etc, Cincinnati, O. Sept. 21
Oct. 14. Shafts and tunnel, Kansas City, Mo. ..... Sept. 21
Advertised, Eng. News, Sept. 21 and 28.
Oct. 16. Water system, Rolla, Mo. ..... Sept. 14
Advertised Eng. News, Sept. 14 and 21.
Oct. 18. Water-works, etc., Milledgeville, Ga. ... Sept. 14
Oct. 18. Water mains, Boulder, Colo. ..... Sept. 21
Oct. 23. Water-works, electric plant, India ..... Aug. 24
Oct. 24. Water-works, Ciudad Juarez, Mexico ... Sept. 14
Oct. 26. Dam, canals, etc., Belle Fourche, S. Dak. Sept. 7
Advertised, Eng. News, Sept. 7 to Nov. 2.
Dec. 5. Yellowstone dam, Billings, Mont. ..... Sept. 14
Advertised, Eng. News, Sept. 14 to Oct. 26.
Jan. 2. Water-works, Philippines ..... Sept. 21
Advertised, Eng. News.

SEWERAGE.

Sept. 22. Sewers, Cincinnati, O. ..... Sept. 7
Sept. 25. Sluice gates, Washington, D. C. ..... Sept. 14
Advertised, Eng. News, Sept. 14 and 21.
Sept. 25. Sewer, Indiana, Pa. ..... Sept. 21
Advertised, Eng. News, Sept. 21.
Sept. 25. Sewers, Ames, Ia. ..... Sept. 21
Sept. 25. Sewer, Indianapolis, Ind. ..... Sept. 21
Sept. 26. Sewers, Danbury, Conn. ..... Sept. 21
Sept. 26. Sewers, Wenatchee, Wash. ..... Sept. 14
Sept. 26. Sanitary sewer, Virginia, Minn. ..... Sept. 14
Sept. 26. Sewage pumping station, Dayton, O. ... Sept. 14
Advertised, Eng. News, Sept. 14 and 21.
Sept. 27. Sewers, Haddonfield, N. J. ..... Aug. 31
Advertised, Eng. News, Aug. 31 and Sept. 7.
Sept. 27. Sewers, Brooklyn, N. Y. ..... Sept. 14
Sept. 28. Sewer, Washington, D. C. ..... Sept. 21
Sept. 29. Sewer, Des Moines, Ia. ..... Sept. 21
Sept. 30. Sewers, Benson, Minn. ..... Sept. 21
Sept. 30. Sewer, Chicago, Ill. ..... Sept. 21
Sept. 30. Sewers, Boston, Mass. ..... Sept. 14
Oct. 1. Sewer, Springfield, Minn. ..... Sept. 14
Oct. 2. Sewers, etc., Cresco, Ia. ..... Sept. 14
Oct. 2. Sewer, Napoleon, O. ..... Sept. 21
Oct. 2. Sewers, Lawrence, Kan. ..... Sept. 21
Oct. 3. Sewer mains, No. Platte, Neb. ..... Sept. 14
Advertised, Eng. News, Sept. 14.
Oct. 4. Sewer and pmpg. station, Salt Lake City. Sept. 14
Advertised, Eng. News, Sept. 14 to Oct. 5.
Oct. 4. Gravity outlet sewer, Salt Lake City. . Sept. 14
Advertised, Eng. News, Sept. 14 to Oct. 5.
Oct. 10. Sewers, Norristown, Pa. ..... Sept. 7
Advertised, Eng. News, Sept. 7 to Oct. 5.
Oct. 16. Sewer system, Cape Girardeau, Mo. ... Sept. 14
Advertised, Eng. News, Sept. 14 and 21.
Jan. 12. Sewer system, Philippines ..... Sept. 21
Advertised, Eng. News.

STREETS AND ROADS.

Sept. 22. Stone, Madisonville, O. ..... Sept. 7
Sept. 22. Paving, Iowa City, Ia. ..... Sept. 14
Sept. 22. Paving brick, Champaign, Ill. ..... Sept. 21
Advertised, Eng. News, Sept. 21.
Sept. 25. Paving and curbing, Muskegon, Mich. . Sept. 21
Sept. 25. Roads, Jackson, Ky. ..... Sept. 21
Sept. 25. Grading, etc., Houston, Tex. ..... Sept. 21
Sept. 25. Roads, Concord, N. H. ..... Sept. 21
Sept. 25. Paving, Niles, Mich. ..... Sept. 14
Sept. 26. Road, Concord, N. H. ..... Sept. 14
Advertised, Eng. News, Sept. 14 and 21.
Sept. 26. Paving, Cleveland Heights, O. ..... Sept. 7
Sept. 26. Paving, Cincinnati, O. ..... Sept. 21
Sept. 27. Macadamizing, Cincinnati, O. ..... Sept. 14
Sept. 28. Sidewalks, brick, Roanoke, Va. ..... Sept. 14
Sept. 28. Paving, New York, N. Y. ..... Sept. 21
Sept. 29. Paving, Buffalo, N. Y. ..... Sept. 21
Sept. 30. Road, St. Louis, Mo. ..... Sept. 21
Sept. 30. Paving and walks, Ft. Monroe, Va. ..... Sept. 21
Sept. 30. Road, Cleveland, O. ..... Sept. 14
Oct. 2. Paving, brick, Macon, Mo. ..... Sept. 14
Oct. 2. Paving, asphalt, Johnstown, N. Y. ..... Sept. 14
Oct. 2. Macadamizing, Sykesville, Md. ..... Sept. 21
Oct. 3. Paving, Paterson, N. J. ..... Sept. 21
Oct. 3. Roads, New Brighton, N. Y. ..... Sept. 21
Oct. 3. Paving, Columbus, Ga. ..... Sept. 14
Advertised, Eng. News, Sept. 14.
Oct. 7. Roads, Crownpoint, Ind. ..... Sept. 21
Oct. 7. Paving, Stoughton, Wis. ..... Sept. 21
Oct. 10. Paving, Cincinnati, O. ..... Sept. 21
Oct. 14. Cement walks, Washington, D. C. ..... Sept. 21
Advertised, Eng. News, Sept. 21 and 28.
Nov. 1. Paving, Steelton, Pa. ..... Sept. 14
Advertised, Eng. News, Sept. 14 to Oct. 5.

MISCELLANEOUS CONTRACTS.

Sept. 22. Cobblestone, New York, N. Y. ..... Sept. 14
Sept. 22. Steel trestles, Wheeling, W. Va. ..... Aug. 24
Advertised, Eng. News, Aug. 24 to Sept. 28.
Sept. 22. Rolling mill, etc., Washington, D. C. ..... Aug. 31
Sept. 23. Dredging, Washington, D. C. ..... Sept. 7
Sept. 25. Pier, India ..... Aug. 24
Sept. 25. Boiler, New York, N. Y. ..... Sept. 21
Sept. 25. Bank protection, Ottumwa, Ia. ..... Sept. 21
Sept. 26. Elevators, Baltimore, Md. ..... Sept. 7
Sept. 26. Ditch, VanWert, O. ..... Sept. 7
Sept. 26. Tunnel, Montrose, Colo. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Sept. 21.
Sept. 26. Telephones and cable, Washington, D. C. Aug. 31
Sept. 26. Portland cement, Billings, Mont. ..... Aug. 31
Advertised, Eng. News, Aug. 31 to Sept. 28.
Sept. 26. Fans, cable, brick, etc., Wash., D. C. .. Sept. 14
Sept. 26. Boilers, Washington, D. C. ..... Sept. 14
Sept. 27. Police telephone system, Kearney, N. J. . Sept. 7
Advertised, Eng. News, Sept. 7.
Sept. 27. Conduit, Gowanda, N. Y. ..... Sept. 21
Sept. 28. Grade reduction, C. C. C. & St. L. Ry. . Sept. 21
Sept. 28. Subway, Reading, Pa. ..... Sept. 21
Advertised, Eng. News, Sept. 21.
Sept. 29. Pier, New York, N. Y. ..... Sept. 21
Sept. 29. Dredging, New York, N. Y. ..... Sept. 14
Advertised, Eng. News, Sept. 14 and 21.
Sept. 30. Wire fence, Denver, Colo. ..... Sept. 14
Sept. 30. Track extension, Washington, D. C. ..... Sept. 7
Sept. 30. Portland cement, Los Angeles, Cal. ..... Sept. 7
Advertised, Eng. News, Sept. 7 to 28.
Sept. 30. Well drills, etc., Washington, D. C. ..... Sept. 21
Oct. 3. Cement, sand, boiler, etc., Wash., D. C. . Sept. 21
Oct. 3. Dredging, Columbus, O. ..... Sept. 21
Oct. 3. Dredging, New York, N. Y. ..... Sept. 21
Advertised, Eng. News, Sept. 21 and 28.
Oct. 3. Snow removal, New York, N. Y. ..... Sept. 21
Oct. 3. Machine tools, Washington, D. C. ..... Aug. 24
Oct. 3. Bricks, blower, etc., Washington, D. C. . Sept. 7
Oct. 4. Pier extension, Grand Rapids, Mich. .. Sept. 7
Advertised, Eng. News, Sept. 7 to Oct. 5.
Oct. 4. Flat cars, steam shovels, etc, Wash. D.C. Sept. 21
Advertised, Eng. News, Sept. 21 and 28.
Oct. 6. Dump boat, Wheeling, W. Va. ..... Sept. 14
Oct. 9. Dredging, Portland, Me. ..... Sept. 14
Advertised, Eng. News, Sept. 14 to Oct. 12.
Oct. 10. Cement, New York, N. Y. ..... Sept. 14
Advertised, Eng. News, Sept. 14 to Oct. 12.
Oct. 10. Machinery, Washington, D. C. ..... Sept. 7
Oct. 10. Harbor works, Egypt ..... Aug. 17
Oct. 10. Ammunition hoists, Washington, D. C. . Sept. 21
Oct. 10. Garbage collection, Bridgeport, Conn. ... Sept. 21
Oct. 11. Pier work, Grand Rapids, Mich. ..... Sept. 14
Advertised, Eng. News, Sept. 14 to Oct. 12.
Oct. 12. Dredging, Seattle, Wash. ..... Sept. 21
Oct. 17. Crane, Washington, D. C. ..... Sept. 21
Oct. 17. Cement, brick, etc., Porto Rico ..... Sept. 21
Oct. 17. Earth embankment, Roswell, N. Mex. ... Aug. 24
Advertised, Eng. News, Aug. 24 to Oct. 5.
Oct. 23. Rehandling machine, Philadelphia, Pa. .. Sept. 21
Advertised, Eng. News, Sept. 21 to Oct. 19.
Oct. 25. Concrete dock, Chicago, Ill. ..... Sept. 7
Oct. 25. Wharf, etc., California City Point, Cal. .. Sept. 14
Advertised, Eng. News, Sept. 14 and 21.
Nov. 1. Lock, dam, etc., Chicago, Ill. ..... Sept. 7
Advertised, Eng. News, Sept. 7.
Nov. 6. Garbage disposal, New York, N. Y. ..... Sept. 7
Advertised, Eng. News, Sept. 7 to Nov. 9.
Nov. 9. Wharf, etc., Havana, Cuba ..... July 27
Dec. 1. Railroads, Philippines ..... Sept. 7
Dec. 15. Railways, Philippines ..... Sept. 21
Jan. 1. Statue, Indianapolis, Ind. ..... July 20
Advertised, Eng. News, July 20.
Jan. 2. Railroad, Chile ..... Aug. 24

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ATCHISON, TOPEKA & SANTA FE.—This road is said to contemplate extending its Larned branch, running from Larned, Kan., to Jetmore, Kan., directly to Garden City, Kan.

BOSTON & MAINE.—The western division of this road between Kennebunk, Me., and West Biddeford is to be double tracked. It is also said that another track is to be laid between Portsmouth, N. H., and Conway Junction, a distance of eleven miles. H. Bisgell, Boston, Mass., is Ch. Engr.

CENTRAL RY. OF OREGON.—A $2,000,000 mortgage has been recorded to cover a bond issue to be used in the construction of the railroad in Grand Ronde Valley, Ore.; $500,000 is immediately available. The new company acquires all the franchises, rights of way and privileges of the Eastern Oregon Development Co., organized for the construction of a belt-line of railroad in the Grand Ronde Valley. It is expected that construction work will begin soon.

CENTRAL RY. OF KANSAS CITY.—Chartered at Jefferson City, Mo., with $1,500,000 capital. Projected road is 50 miles long and will extend from Miami Mo., to Sedalia, Mo. E. C. Wright, Kansas City, Mo.; W. E. McCully, Macon, Mo.; A. W. Larose, Albany, N. Y.; and W. H. Smith, New York; are interested.

CENTRAL OF GEORGIA.—Contract for building extension from Greenville, Ga., to Newman, 26 miles, is stated to have been let to OLIVER & CO., Knoxville, Tenn. Contract comprises complete construction from grading to laying rails. This road is also widening the narrow gage line from Greenville to Columbus, the work being done by the company itself under direction of its Chief Engineer, H. M. Steele.

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS.—Bids are asked by W. M. Duane, Supt. Construction, Cincinnati, O., until noon Sept. 28 for the work of grade reduction in the St. Louis Division between Carbon, Ind., and Coal Bluff, Ind. Work includes 500,000 cu. yds. common excavation.

DELAWARE, LACKAWANNA & WESTERN.—This road is stated to have secured route from Mount Arlington across Bertram Island, giving it a new entrance to Lake Hopatcong, N. J. Plans have been completed for the dock which the company will erect on Bertram Island.

DENVER, NORTHWESTERN & PACIFIC.—U. S. District Court has denied application of U. S. Government for an injunction to restrain this road from building through Gore Canon. The government engineers had proposed to build a reservoir in the canon for the storage of waters for irrigation.

ENSLEY SOUTHERN R. R.—Contract for a nine mile extension of this road between Short Creek and Parish, Ala., has been let to C. D. SMITH & CO., Birmingham, Ala.

FLORIDA.—S. W. BAHNER, Jr., of Brunswick, Ga., and Apalachicola, Fla., is stated to have secured contract to furnish all the cross ties to be used in the construction of the new railroad in this state. The road, which will extend from Apalachicola to River Junction, 65 miles, is to be constructed by St. Louis and Chicago capitalists.

GULF & SANTA FE NORTHWESTERN.—Charter of this road has been filed; headquarters are at Amarillo, Tex. The capital stock is $425,000, and the road will run from Brownwood, Tex., in a northwesterly direction through the counties of Brown, Coleman, Calahan, Layton, Jones, Fisher, Stonewall, Kent, Dickens, Crosby, Floyd, Hale, Lamb, Bedley and Pallor, to the point intersected by the Pecos and Northern Ry., a distance of 350 miles, and from Canyon in Randall County to the counties of Solisher, Hale and Lubberick, a distance of 135 miles. The capital stock is $425,000. Directors, J. E. Hurley, Topeka, Kan.; Avery Turner, Don A. Sweet, J. C. Paul, A. C. Conrad, S. P. Madden, of Amarillo; and E. P. Ripley, of Chicago. The road is to be part of the Gulf, Colorado & Santa Fe system.

ILLINOIS CENTRAL.—Advices from Corinth, Miss., state that W. J. Haraham, Fourth vice-Pres. of this road, has made an overland trip from Corinth to Haleyville, Ala., following up the survey recently made for a road between these two points. It is proposed to run a line from Corinth to Haleyville, Ala., thence to Jasper, where connection will be made with the Frisco into Birmingham.

MISSOURI, OKLAHOMA & GULF.—Surveys have been completed for an extension of this road from Wagoner, Ind. T., north to Afton, 70 miles, and it is now announced that construction work will be commenced at once. Wm. Kenefick, Kansas City, Mo., is Pres.

MISSISSIPPI & ALABAMA.—This road has been chartered and proposes to build a line from a point near Corinth, Miss., and run across Alcorn, Prentiss, Tishomingo and Itawamba Counties, 75 to 80 miles. Edward Mayes, J. Bowman Stirling, J. T. Savage and Lucius Mayes, all of Jackson, Miss., are incorporators. It is stated that the route has already been surveyed and the line will be completed in two years.

OKLAHOMA & TEXAS.—Eastern capital is reported to have been pledged for the construction of this road from Oklahoma City, to Wichita Falls, Tex. Preliminary surveys have been made and right of way is to be secured.

OPELOUSAS, GULF & NORTHEASTERN.—Advices from Crowley, La., state that as soon as the yellow fever quarantine is lifted construction work will be commenced on this road, which is to run from that city, via Rayne and Opelousas, to Melville. Right of way has been secured between Crowley and Rayne and from the latter place as far north as Brand.

ST. LOUIS & SAN FRANCISCO.—Preliminary surveys are stated to have been made and it is now said that the Texas-St. Louis line of this road is to be extended south from Paris to Mexia, Tex., a distance of 175 miles. At Mexia a line will connect with the Trinity & Brazos Valley, which is owned by the Yoakum-Hawley Syndicate and is now being extended south to Galveston and Houston.

SALT LAKE & OGDEN.—An amendment to the articles of incorporation of this road have been filed, whereby the capital stock is increased from $800,000 to $1,500,000. This increase will be used, it is said, for extending the road from Logan to Ogden and for other improvements. Simon Bamberger, Salt Lake City, Utah, is Pres. and Gen. Mgr.

ST. LOUIS, ROCKY MOUNTAINS & PACIFIC.—We are advised that location surveys of 120 miles of line have been completed, and that contract for grading has been let to the UTAH CONSTRUCTION CO., Ogden, Utah. Work on construction will begin at once and is expected to be completed within twelve months. The contracts for bridging and masonry work have not been let. O. H. B. Turner, Ch. Engr., Raton, N. Mex.

TULSA, TURNERVILLE & TEXAS.—Chartered at Guthrie, Okla., with $3,500,000 capital stock, to build a line 175 miles in length, from the northeastern corner of Indian Territory, in a southeasterly direction through Muskogee and Tulsa to Shawnee, Okla., passing through the Cherokee and Creek nations and Pottawatomie county. The incorporators are Fred E. Turner, V. N. Sayre, W. S. Harsha, Phillip B. Hopkins, all of Muskogee, Ind. T.; Joseph W. McNeal, and William M. Spulock, of Guthrie. The project includes a belt-line at Tulsa.

TONOPAH.—John W. Brock, of Philadelphia, Pa., Pres. of this road, is quoted in a recent San Francisco report, as stating a further extension of this road is to be made from Goldfield, Ariz., to Bullfrog, 70 miles. The extension to Goldfield will be opened in a few days. R. W. Welsh, Tonopah, Nev., is Ch. Engr.

ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

RUTLAND, VT.—It is understood that the electric railway connecting this city and Fairhaven, Vt., is to be extended to Whitehall, N. Y. Surveys for the extension were made come time ago.

BATH, N. Y.—Right-of-way for an electric road between Savona and Corning has been secured by Contractor C. D. Haines. The construction of this line is believed to presage the resumption of work on the Corning, Lake Keuka & Ontario road between Savona and Penn Yan, which was suspended several months ago.

CHARLOTTE, N. Y.—New York Central & Hudson River R. R., E. B. Katte, Elec. Engr., New York, according to reports, is to electrify its Charlotte branch. Matter of electrifying the Rome, Watertown & Ogdensburg Division between Sea Breeze and Charlotte is also said to be under consideration.

SYRACUSE, N. Y.—The Auburn & Syracuse Construction Co. was incorporated on Sept. 9 with $25,000 capital to carry out proposed improcements on the Auburn & Syracuse line, including the double-tracking of the line from Syracuse to Skaneateles and the building of Edgecliff Park at Howlett Hill near Syracuse.

The Syracuse, Lakeshore & Northern Railroad Co. was incorporated Sept. 9 to take over the Syracuse, Lakeside & Baldwinsville road, a 15-mile surface line. The capital stock is $2,250,000, divided into $750,000 preferred and $1,250,000 common. The directors are Hendrick S. Holden, Charles M. Warner, Albert K. Hiscock, Clifford D. Beebe, William Nottingham, Willis A. Holden, William K. Pierce, Edward Joy, Lyman C. Smith, John S. Gray, Arthur R. Peck and Harold R. Beatty of Syracuse, and C. B. Benson of Minetto. The company plans to improve the line, extend to Fulton and may extend to Oswego. The Syracuse, Lakeside & Baldwinsville was bid in by the Beebe interests recently at foreclosure sale for $530,000. The Beebe interests control the Rochester, Syracuse & Eastern and the Auburn & Syracuse roads.

TRENTON, N. J.—Trenton, Hamilton & Ewing Traction Co. has filed in office of Secretary of State a description and map of its proposed trolley line from Parkside Ave. through West State St. to city line. Ordinance granting franchise is now before council.

ATHENS, PA.—Athens, Sayre & South Waverly Ry. Co. through its attorney, Mial E. Lilley, has applied for franchise to operate trolley road over certain streets in this borough.

CANONSBURG, PA.—Carnegie, Oakdale & McDonald Street Ry. Co. has asked Council for franchise to pass through this borough. The line will connect with the Pittsburg Railways Co. at Mount Lebanon, and extend to Bridgeville, Cecil, Bishop and Canonsburg. A branch line from Cecil to McDonald, Noblestown and Oakdale is contemplated, and surveys for a line from Canonsburg to Washington are being made.

EVERSON, PA.—John R. Byrne, Everson; John Lynde, C. H. Seaton and S. M. Graham, all of Connellsville, Pa., will apply for a charter for a street railway line between Scottdale and Everson. It is said the company has a charter from Everson to Bradford on the east side of the Mount Pleasant branch of the Baltimore & Ohio R. R. It is the intention to extend the proposed line from Bradford on to Dawson. All of the above persons are connected with the Uniontown, Brownsville & West Side Ry. Co.

LANCASTER, PA.—Ordinances are before the Councils asking for permission on the part of the Lancaster & Eastern Traction Co. and Lancaster & Coatesville Traction Co. to enter the city by way of East Orange St. Both companies offer to bridge the Conestoga River for their own use and the general public as well.

PITTSBURG, PA.—Pittsburg Railways Co. is said to have asked franchise of Knoxville Borough Council for use of Dewey and Summit Sts., for proposed new route for connecting link between Castle Shannon R. R. and Brownsville road.

POTTSVILLE, PA.—Frackville Borough Council has granted franchise through that place to the Tamqua & Pottsville Electric Traction Co., one of the allied interests of the Pottsville Union Traction Co. A new branch between Pottsville and Shenandoah 14 miles long, is to be built. An eight-mile line between Middleport and Tamaqua, in which the Pottsville Electric Traction Co. is also interested, is to be built soon.

WAYNESBORO, PA. — Hagerstown & Waynesboro Street Ry. Co., capitalized at $25,000, has been chartered. The line is four miles long and connects the two towns. W. A. Morgart, Cumberland, Md., is Pres.

CUMBERLAND, MD.—South Cumberland Electric Ry. Co., incorporated with $30,000 capital, has asked council for a franchise to build a line from Baltimore and Mechanic Sts. to the Wabash station in South Cumberland.

GEORGETOWN, S. C.—The Wynyah Traction & Power Co., has been chartered. The capital is $50,000 and the company proposes to build a six-mile street railway here. The incorporators are J. B. Steele, W. W. Taylor, E. W. Kaminski, W. H. Andrews, L. Mouzon, all of Georgetown.

ATLANTA, GA.—A franchise to build an electric railway from Atlanta to Conyers has been granted the Atlanta & Carolina Construction Co., Dr. H. L. Wilson, Pres. The line is to be extended ultimately to Anderson, S. C. Surveyors are now at work between Atlanta and Decatur and it is understood construction work will begin next month.

JACKSONVILLE, FLA.—Jacksonville Suburban & Seashore R. R. Co., R. M. Banbour, Pres., has awarded contract for construction of its line to W. T. COTTER, Jacksonville, Fla. The road which is to be a high speed electric interurban is to extend from this city to St. Augustine, via Oceanside. The power house is to be erected at the last named place, and will be of sufficient capacity to furnish electricity not only for motive power but for lighting. A hotel and summer resort is to be built about nine miles from Pablo.

BIRMINGHAM, ALA.—Birmingham Railway, Light & Power Co., has petitioned Council for a franchise to build an electric line from this city to Jonesboro and other suburban points.

KNOXVILLE, TENN.—Knoxville Traction Co. has filed amendment to charter which will allow of a large amount of improvement work on the company's holdings and the extension of its lines.

CHATTANOOGA, TENN.—Work is to be commenced early next month, according to reports, on the construction of the Tennessee & Georgia Interurban Ry. The line is to be built at first to Catoosa Springs, Ga., 20 miles from this city, and later on may be extended to a connection with the L. & N. R. R. Samuel Divine is interested.

ALLIANCE, O.—Practically all of 50 ft. right-of-way between this city and Bedford to be used for a single track electric railway, is stated to have been secured by Cleveland, O., interests, headed by James W. Holcomb. The new road is to be known as the Cleveland, Ravenna & Alliance Electric Railroad. The company is backed by interests identified with the Buffalo, Dunkirk & Western Co., and the Cleveland, Painesville & Ashtabula road. It is purposed to put in a road from Alliance to Ravenna, Brady Lake, Bedford and Cleveland. In all, it will be about 57 miles long.

CINCINNATI, O.—A $6,000,000 bond issue for building road of the Cincinnati, Toledo & Detroit Short Line Traction Co., is stated to have been underwritten. About 90% of the right-of-way and a greater part of the franchises are said to have been secured. Adam and George Rentschler, Hamilton, O., are interested.

TOLEDO, O.—Toledo, Port Clinton & Lakeside Ry. Co., H. R. Klauser, Treas., Gardiner Bldg., Toledo, is said to have practically decided to extend its road to Sandusky.

WARSAW, IND.—ELECTRICAL INSTALLATION CO., Monadnock Bldg., Chicago, Ill., has been awarded the contract for the complete construction and equipment of Warsaw-Goshen (Indiana) line of The Winona Interurban Railway Co.'s system. Allis-Chalmers-Bullock steam and electrical machinery, including car equipments, will be used. Contract calls for completion April 15, 1906, and the price is between $600,000 and $700,000.

BEDFORD, IND.—City Council has granted a franchise to the Indianapolis & Ohio Valley Traction Co., which proposes to build a line from Indianapolis to Rockport and Evansville through the counties of Marion, Johnson, Brown, Monroe, Lawrence, Orange, Dubois, Spencer, and Warrick. The local franchise calls for the beginning of work in next May, and the completion of the line by Jan. 1, 1908.

AUBURN, IND.—Fort Wayne & Wabash Valley Traction Co., Fort Wayne, Ind., is having route mapped out for the extension of the Robinson Park line northward to Auburn.

BAY CITY, MICH.—A local report states that A. S. Courtright, of Lansing, Supervising Engr. for the projected Saginaw Bay & Southwestern electric road, has completed the survey of the proposed new line between Bay City and Saginaw. The entire line will be 96.6 miles long, all of which will have been surveyed with the exception of a short distance south and west of Saginaw, when the Bay City-Saginaw division is surveyed.

EAST ST. LOUIS, ILL.—HARTMAN & CO. of East St. Louis, Ill., have been awarded the contract for grading the Illinois & Indiana Electric Ry. between the [illegible] and Belleville, Ill. W. J. Crocken is Engr. in Charge.

MADISON, WIS.—It is announced that the Madison Traction & Ins. Co., Warren Montgomery, Pres., will [illegible] an interurban road between Madison and Stoughton next year.

KANSAS CITY, KAN.—We are advised that surveys have been completed for projected 12 mile line of Kansas City, [illegible] Springs & Topeka Ry. Right-of-way has been secured and grading completed for [illegible] miles. Negotiations for capital are [illegible].

KANSAS CITY, MO.—[illegible] Electric Ry. Co. has been chartered [illegible] company is capitalized at $1,500,000 and [illegible] to build a 50-mile line from Miami [illegible] Sedalia. E. C. Wright, Kansas City, Mo., [illegible] E. McCully, Macon, Mo., and E. D. [illegible], Marshall, Mo., are among those interested.

LITTLE ROCK, ARK.—The Little Rock & Hot Springs Railway Co., C. [illegible] Kramer, Pres., will construct a railroad between Little Rock and Hot Springs. The road will be 53 miles long.

COSICANA, TEX.—A company of which J. V. Watkins is Gen. Mgr. will construct an interurban railway from this place to Palestine and Fairfield, a distance of 73 miles.

PORTLAND, ORE.—Considerable preliminary work is said to have been done toward the construction of an electric railway to connect Portland with Puget Sound cities. P. R. Brown, of Philadelphia, Pa., representative of capitalists controlling the Portland Consolidated Ry., is understood to be the chief promoter of the scheme.

SAN DIEGO, CAL.—Bay Shore & Pacific R. R. Co. has been incorporated to construct a railway along the shore of San Diego Bay to Old Town, Pacific Beach and La Jolla, with branches on Point Loma, a total of 30 miles. H. C. Richards, C. R. Hammond, W. M. Crouse, Stephen Connell, I. D. Stewart and H. C. Oatman of this city and M. H. Rogers of Denver are incorporators.

SANTA ROSA, CAL.—Sonoma Valley Interurban Ry. Co., capitalized at $300,000, has been incorporated. $7,000 of capital stock has been subscribed to carry on the preliminary work of constructing an electric line between Sonoma and Glen Ellen. Calus T. Ryland, R. Herman Weber, Oscar T. Weber, Fred. T. Duhring and Solomon Schocken are directors.

PETALUMA, CAL.—Petaluma & Santa Rosa Ry. Co. will probably commence work within a few weeks on its extension from Forestville to Trenton.

SAN FRANCISCO, CAL.—The Ocean Shore Ry. Co. is said to have let contracts for building its electric road from San Francisco to Santa Cruz and work will be begun as soon as the franchise, involving the rights of entrance into this city is granted by the supervisors. C. E. LOSS of New York, is stated to be the contractor. Preliminary plans have been arranged and no time will be lost in building the road.

STOCKTON, CAL.—Central California Traction Co. has decided to build without delay twelve miles of electric road in this city, for which franchises have been obtained. Orders for rails have been placed.

LIGHT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

MEDWAY, MASS.—Town meeting is to be held Sept. 27 to vote on making contract with Medway Electric Light & Power Co. for street lights.

UTICA, N. Y.—Bids are asked by State Commission in Lunacy, T. E. McGarr, Secy., Albany, N. Y., until 3 p. m., Sept. 27, for engine, generators, switchboard and motors, feeder cables and wiring, steam piping and connections at Utica State Hospital.

CLYDE, N. Y.—Clyde Gas & Electric Co. has been incorporated with $25,000 capital stock and will take over stock of defunct Clyde Gas & Electric Co., Thos. W. Summers, Ithaca, N. Y., and Geo. S. Sheppard and Wm. T. Morris, Penn Yan, N. Y., are directors.

GLENS FALLS, N. Y.—City has awarded five year contract for street lighting to HUDSON RIVER POWER CO. The wires are to be placed underground.

ALBANY, N. Y.—Ordinance has been before Council to secure opinion of citizens regarding obtaining a municipal electric light plant.

GOUVERNEUR, N. Y.—Local business men are reported as interested in a project to secure electrical energy from Racquette River, and with that end in view have organized the Racquette River Power Co., which owns a power near Colton.

PATERSON, N. J.—Council has given second reading to an ordinance granting Paterson Electric Light, Heat & Power Co. a franchise in this city.

COLUMBIA, PA.—Contract for new brick and steel, fireproof, one-story power-house for Columbia Electric Light & Power Co. has been let to JOHN WEEBER. Complete power plant will be required.

ALLENTOWN, PA.—Lehigh Valley Transit Co. is said to be having plans prepared for a power-house at this place. Contract for construction and equipment was let to SCHOFIELD CO., Pennsylvania Bldg., Philadelphia, Pa.

MIDLAND, MD.—Town Council has appointed committee to confer with J. S. Brydon, Supt. Consolidation Coal Co., with a view to having that company light the streets with electric lights.

BRUNSWICK, MD.—Dr. H. S. Hedges and J. T. Martin, of the B. & O. R. R.; William Schnauffer, G. T. Hagan, H. M. Jones, E. Alder and Z. T. Brantner have organized an electric light company to supply illumination to Brunswick. The power will be furnished by the Harper's Ferry Electric Light & Power Co.

WASHINGTON, D. C.—Bids were received Sept. 12 by Navy Department for construction of power-house on grounds of U. S. Naval Medical School: Ambrose B. Stanard, New York, for a house of concrete-steel with pipe tunnels complete, $17,983; for a house of brick similar to the new naval hospital with pipe tunnels complete, $18,983; for a house of concrete-steel with pipe tunnels complete but using a temporary roof, $17,883; for a house of brick similar to the new naval hospital, with pipe tunnels complete, but using a temporary roof, $18,883; and for a house according to plans revised in detail by the bidder, $17,300. Charles D. Collins, Washington, D. C., for the concrete-steel house, complete, $13,972; the brick house, complete, $13,300.

BAMBERG, S. C.—It is stated that this city will consider the application for franchise from firms and individuals for the construction of electric light plant and water-works.

JACKSONVILLE, FLA.—Bids are asked by the Board of Trustees for Water-Works and Improvements Bonds, B. F. Dillon, Chn., until Oct. 4, for furnishing, set up complete on foundation furnished by the board in the city electric light station, two 500 KW. steam turbo-generators, one steam driven exciter set, and switch panels; turbines to be run condensing, steam pressure at boilers 150 pounds, no superheat, 27 ins. of vacuum; generators to be of the revolving field type, 3-phase, 60 cycles, 2,300 volts. R. N. Ellis, Supt.

BIRMINGHAM, ALA.—Birmingham Electric Co., capitalized at $5,000, has applied for charter. C. J. Martin, Birmingham, is Pres.

CHATTANOOGA, TENN.—Major H. C. Newcomer, U. S. Engrs., and C. E. James and J. C. Guild, representing the Chattanooga-Tennessee River Power Co., have signed the agreement regarding the construction of the lock and dam at the "Suck," 13 miles from this city. It is stated that as soon as the agreement is approved by the Secretary of War, bids will be taken by the company for the work. Fuller information concerning this work has been given in these columns.

READING, O.—Bids are asked by Board Public Affairs, C. V. Dils, Clk., until noon Sept. 25 for necessary wire, tools, mast arms, and all other fittings for extension and improvement of village lighting system.

EAST CLEVELAND, O.—Village Council which recently passed ordinance granting East Ohio Gas Co., M. B. Daly, Gen. Mgr., a 40 year franchise to furnish natural gas is now considering making franchise a perpetual one. Post-office is Cleveland, O.

SALEM, O.—It is announced that E. E. Beam, New England Bldg., Cleveland, O., and S. D. Gilbert, Cincinnati, O., will on Oct 1 take over the plant of the Salem Electric Light & Power Co. The plant will be rebuilt and enlarged.

SILVERTON, O.—Council has passed ordinance granting Cincinnati Gas & Electric Co. right to supply village with light.

TIPTON, IND.—King Gas Co., capitalized at $1,200, has been incorporated, to supply gas, drill gas wells, etc. W. W. Mount and George Krunaker are interested.

ALMA, MICH.—The City Council has granted H. G. Bedford, Grand Rapids, Mich.; J. W. Robinson, of Alma, Mich., and their associates, a franchise to construct and operate a gas plant in this place.

BAY CITY, MICH.—Rifle River Power Co. has retained H. von Schon, Consult. Engr., Detroit, Mich., to examine and report on feasible power development of Rifle River, Mich. This is a correction of the Bay City, Mich., item in our issue of Sept. 14.

ADDISON, MICH.—Contract for equipment for village electric light plant is stated to have been let to WESTERN ELECTRIC CO., Chicago, Ill.

DIVERNON, ILL.—Village Trustees are stated to have awarded contract for electric light plant to ERIE CITY IRON WORKS CO.

ODIN, ILL.—Village board has granted a 20 year franchise to the Odin Coal Co. for the operation of an electric light plant and has contracted for 40 arc lights for street lighting at $50 each.

FERTILE, MINN.—Village voted against issuing $7,000 of bonds for purchase of electric light plant.

PIERRE, S. DAK.—City, it is stated, will install incandescent electric lighting plant, to be operated by waste water from city wells.

ST. LOUIS, MO.—General Service & Development Co., Paul D. Cable, Pres., has secured franchises to extend gas mains to all parts of St. Louis County. It is said that the company will at once build to Manchester, Des Peres, Jennings and Luxembourg.

EAGLE PASS, TEX.—Texas Mexican Electric & Power Co. has increased its capital from $20,000 to $40,000.

GONZALES, TEX.—Capital of Citizens Electric Light & Power Co. has been increased from $5,000 to $10,000.

BROWNWOOD, TEX.—Council has granted 50 year franchise for erection of a gas plant here.

WOODWARD, OKLA.—B. W. Key, Woodward, is in the market for a complete electric light plant for this town.

PAWHUSKA, OKLA.—Pawhuska Electric Light, Ice & Water Co., capitalized at $25,000, has been chartered. J. W. McCloud, Little Rock, Ark.; Beeks Erick, Fort Wayne, Ind.; H. H. Brenner, W. C. Tucker, W. T. Leahy, C. N. Prudon and I. E. Gibson, all of Pawhuska, are incorporators.

NORTH YAKIMA, WASH.—R. B. Hunter, Seattle, Wash., representing the company which bought the J. J. Chambers' franchise, is said to be making arrangements to put in a gas plant.

SUNNYSIDE, WASH.—Mayor Wm. B. Bridgeman writes us that an electric light system to cost about $5,000 is planned for this place.

AUBURN, CAL.—City Trustees have decided to sell the old gasoline street lights and to put electric arc lights in their places.

LOS ANGELES, CAL.—Bids are asked at office of O. H. Ensign, Elec. Engr., U. S. Reclamation Service, until 2 p. m., Nov. 2, for furnishing complete, f. o. b. bidder's works, one or more 1,260 HP. water wheels and one or more 140 HP. water wheels, with gate valves, pipe connections and governors, for use in Roosevelt power-house, Salt River Project, Arizona. (Advertised, Engineering News.)

BENSON, ARIZ.—A permit has been granted Doan Merrill and Steve Roemer to lay gas mains, water mains and place electric light poles and wires in this town. It is probable that an electric light plant will be installed.

TORONTO, ONT.—The Georgian Bay Power Co., of Toronto, has engaged H. von Schon, Consult. Engr., of Detroit, Mich., to examine and report on development of Eugenia Falls on Beaver River, Ontario.

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

PITTSFIELD, MASS.—The Board Public Works has awarded contract for new superstructure for Second St. bridge to the EASTERN BRIDGE & STRUCTURAL CO., of Worcester, for $8,297.

HEMPSTEAD (L. I.), N. Y.—The contract for constructing steel and concrete bridge over Front St. at Meadowbrook has been let by Highway Commissioners to the BERLIN (Conn.) BRIDGE & CONSTRUCTION CO., for $1,474.

SHERBURNE, N. Y.—E. F. Musson, Engr., Norwich, N. Y., informs us that the town of Sherburne has not yet bought bridges, to replace those destroyed by floods.

CAMDEN, N. J.—Bids are asked at County Collector's Office, Camden, until Oct. 30 for construction bascule trolley and highway bridge over Cooper's Creek. J. J. Albertson, County Engr. (Advertised, Engineering News.)

CHARLEROI, PA.—It is stated that the Mercantile Bridge Co., of Charleroi, will soon ask for bids for building its proposed bridge from North Charleroi to Monessen across the Monongahela River. The plans call for the building of four stone piers and for a bridge 36 ft. wide to carry two tracks. It is to be a combined street railroad and highway bridge.

DONORA, PA.—At a joint meeting of the Commissioners of Westmoreland and Washington Counties, it was decided to build a bridge over the Monongahela River, at a cost of $150,000.

McKEESPORT, PA.—The McKeesport & Port Vue Bridge Co., of McKeesport, will on Oct. 3 ask for State charter for new bridge which is to span the Youghiogheny River at 13th Ave., for the use of new trolley lines that are about to be constructed through Port Vue and Glassport. The promotors of the new company are Gilbert F. Myer, E. W. Pitts, Israel Simon and ex-Mayor Robt. T. Carothers.

WASHINGTON, D. C.—The following bids were opened Sept. 16 by the District Commissioners for constructing concrete bridge over Piney Branch at 16th St.; span 125 ft., width 25 ft.: Tucker-Vinton Corporation, 156 Fifth Ave., New York City, $55,000; Abbott, Gamble & Co., 52 Broadway, New York City, $51,000; R. J. Beal Const. Co., 1217 F St., N. W., Washington, D. C., $47,774; Stacey Bopdyke, Jr., 402 Broadway, New York City, $44,670; Penn Bridge Co., Washington, D. C., $42,731.

NORFOLK, VA.—The contracts to build steel superstructures of Tidewater Railroad bridges across the Eastern and Southern branches of the Elizabeth River, Virginia, have been let. The first was let to the McCLINTIC-MARSHALL CO., 13 Park Row, New York City, the second to the VIRGINIA BRIDGE & IRON CO., of Roanoke, Va. This work including the foundation will cost $460,000 and is to be completed by Sept. 1, 1906.

JEFFERSON, O.—Bids are asked by P. C. Remick, County Audr., until 10 a. m., Oct. 7 for construction of a reinforced concrete bridge in North Chestnut St.

CLEVELAND, O.—We are informed that the BLOCK BRIDGE & CULVERT CO. has been awarded contract for concrete arch in Brookside Park. Est. cost, $1,500.

TROY, O.—Sealed proposals will be received by County Commissioners until Sept. 30, for construction of superstructure of a high truss, steel bridge over Stillwater River. E. E. Pearson, County Audr.

DAYTON, O.—F. M. Turner, Cy. Engr., is preparing plans and bids will be received by Board Public Service in about 60 days for combination street and railroad bridge. Will be a 200-ft. span steel structure, with concrete abutments and reinforced concrete roadbed. Cost, $300,000.

CLEVELAND, O.—Bids are asked by Board Public Service until Sept. 28 for construction of a concrete bridge on Crawford Road over Dugway Brook. A. R. Callow, Secy.

DAYTON, O.—County Commissioners will sanction the building of a new bridge at Broockville.

COLUMBUS, O.—Bids are asked by County Commissioners until Oct. 10 for constructing west approach to bridge over Alum Creek, in Mifflin Township. L. E. Jones, County Audr.

DELAWARE, O.—F. D. King, Cy. Audr., writes us that the contract for construction of bridge over Delaware Run was awarded to L. B. DENISON, of Delaware, for the superstructure, and to the WESTERN RESERVE CONSTRUCTION CO. for excavation and substructure.

LAPORTE, IND.—County Commissioners will soon let contract for constructing bridge between this (Laporte) and St. Joseph County.

INDIANAPOLIS, IND.—The appropriation of $18,000 for building bridge over Eagle Creek at Morris St. was so low that contractors refused to bid on the work. It has been decided by county to increase the appropriation. H. W. Klausman, County Surv.

GREENFIELD, IND.—County Council has appropriated $8,000 for five new bridges; two over Brandywine Creek and three over Sugar Creek.

PERU, IND.—Bids are asked by County Commissioners until Oct. 2 for construction of bridges or concrete arches as follows: One steel bridge across Mills ditch, near Perrysburg; one steel bridge across Perrysburg branch ditch; one concrete bridge at Chili; one concrete bridge in Richland Township; to repair one bridge with steel eye beams in Deer Creek Township. C. W. Macy, County Audr.

INDIANAPOLIS, IND.—Two bids were received by Board Public Works on Sept. 11 for plate girder bridge of two spans over Fall Creek at Senate Ave. Abutments are already in and it was purposed to put the old bridge taken from Northwestern Ave. at Senate Ave. The Central States Bridge Co. bid $9,750, and the Ohio Valley Bridge Co. $8,800. Each company also submitted a bid for using the old Northwestern Ave. bridge.

BLOOMFIELD, IND.—One of the longest and highest viaducts in the United States is to be built by the Indianapolis Southern railroad, a subsidiary company of the Illinois Central. The viaduct is to be built on the new Indianapolis line near Bloomfield, and will have a maximum height of 175 ft. and a length of 2,800 ft. The structure will be entirely of steel on concrete piers, and will span a ravine. Cost, $200,000.

BOYNE CITY, MICH.—N. J. Tubbs, Ch. Engr., Boyne City, Gaylord & Alpena R. R. Co., writes us that the contract has been let to J. W. UTLEY, of Boyne City, for the erection of concrete abutments where this road is to cross the Grand Rapids & Indiana Ry. near Elmiro. A separation of grades is necessary on account of the heavy grades of both roads (1½% and 1¼%). A timber superstructure will be used temporarily. The angle of crossing is 26° 45' and the required opening 30 ft. Bridge seats will be placed parallel to the G. R. & I. tracks and later the timber will be replaced with a through girder.

EARLVILLE, ILL.—The city will ask for bids for a bridge across Indian Creek in the east part of the city, the cost not to exceed $3,000.

EAST ST. LOUIS, ILL.—The East St. Louis & Suburban R. R. Co. has given contract for substructure of bridge to be built over railroad tracks to THE FOUNDATION CO., Geo. Adgate, Western Agt., New Nelson Bldg., Kansas City, Mo., and for superstructure to the WISCONSIN BRIDGE CO., of Milwaukee, Wis. Cost, $30,000.

MILWAUKEE, WIS.—County Council has passed a resolution to submit to voters an ordinance providing for the issuance of $200,000 of bonds for building new bridge on East Water St.

RACINE, WIS.—City Council has rejected all plans for a new bridge across Root River and instructed the Board Public Works to prepare plans for new structure. John Geist, of Milwaukee, was selected as advising engineer. The new plans will call for a bridge 240 ft., long, with two draws 84 ft. in the clear, on the center line of Main St.

MIDLAND, S. DAK.—Bids are asked by County Commissioners, M. P. Kennedy, County Audr., until Oct. 6 for construction of a bridge over Bad River. (Advertised, Engineering News.)

INDEPENDENCE, MO.—The County Court at Independence has ordered the County Road and Bridge Commissioner to advertise for bids for the construction of a 30-ft. stone arch bridge over Prairie Branch Creek, in Swope Park. Bids are to be opened in Kansas City, Oct. 3.

WARRENSBURG, MO. — The Johnson County Court has let contract for 34 steel bridges to be erected in the county. The STANDARD BRIDGE CO., of Kansas City, was awarded the contract, for $12,429.

GUTHRIE, OKLA.—Sealed proposals will be received by M. Trapp, County Clk., until Oct. 2 for all material for the superstructure of 16 steel bridges, one set of channel legs, nine floor beams and about 3,000 lbs. of metal for repairs.

STILLWATER, OKLA.—Sealed proposals will be received by J. H. Donart, County Clk., until 6 p. m., Oct. 11, for constructing six steel bridges.

ABERDEEN, WASH. — The PACIFIC BRIDGE CO., of Portland, Ore., has been awarded contract for construction of steel bridge across Whishkah River, on Heron St., for $27,625.

RIVERSIDE, CAL.—Bids are asked by Board of Supervisors until 3 p. m., Oct. 4, for construction of four cylinder piers for bridge across Santa Anna River. W. W. Phelps, County Clk.

SAN JOSE, CAL.—Plans were adopted by Board of Supervisors for bridge over Coyote Creek and bids were ordered called for to be opened on Oct. 3.

SALEM, ORE.—Council has instructed committee on bridges to prepare plans and specifications for building of new bridge on 21st St., over Mill Creek, and to ascertain cost of repairing bridge on South Commercial St. Mayor was instructed to appoint committee to prepare plans and specifications for concrete bridge across Mill Creek on East State St.

OREGON CITY, ORE.—Bids for the construction of bridge across the Clackamas River at Barton were opened as follows: Counsel & Thomas, $14,275; C. F. Royal & Son, $12,700; Puget Sound Bridge Co., $13,080; Burrel Const. Co., $13,320; International Contract Co., $13,396; Portland Bridge Co., $12,500.

LETHBRIDGE, ALTA.—The C. P. R. will build a 900-ft. bridge across the river here. F. E. Busteed, Ch. Engr., Winnipeg, Man.

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

SALEM, MASS.—The Commissioners in charge of new court house are advertising for competitive plans for stone structure, to cost about $200,000. Wallace Bates is Chn.

LITCHFIELD, CONN.—Ross & McNeil, Archs., 29 East 42d St., New York City, are preparing plans and will receive bids in about six weeks for historical museum here. Cost, about $20,000.

HARTFORD, CONN.—MAX EIDLITZ, 498 Fifth Ave., New York City, have been awarded general contract for erecting new office building in Hartford. Donn Barber, 24 East 23d St., New York City, is Arch. Brick and stone, 8 stories, 144 × 200 ft.

NEW LONDON, CONN.—Sealed proposals will be received at office of Constructing Quartermaster, New London, until Oct. 13 for certain alterations to administration building and the installation of steam heating system therein, at Fort Wright, N. Y.

MIDDLETOWN, N Y.—Bids are asked by State Commission in Lunacy, at Albany, until 3 p. m., Sept 27 for construction, heating, plumbing, electric light wiring and fixtures for chronic ward building at the State Homeopathic Hospital, Middletown. T. E. McGarr, Secy.; G. L. Heins, State Arch.

NEW YORK, N. Y.—Cady & See, Archs., 6 West 22d St., have completed plans and will receive bids in about a week for church and parish house, on 114th St., near First Ave., for the New York City Church Extension and Missionary Society, 150 Fifth Ave., Cost, $60,000.

RIVERDALE, N Y.—Reilly & Steinbeck, Archs., 481 Fifth Ave., are taking figures on residence to cost $50,000 to be erected at Riverdale on the Hudson, for H. Boettger, care Ansonia Hotel, New York City.

NEW YORK, N. Y.—The AMSTERDAM BUILDING CO., 41 West 24th St., has been awarded general contract for new church to be erected at Creston Ave. and 148th St., in Fordham, for the Bath Eden Baptist Church. W. H. Sears, Arch., 7 Wall St.

General contract for warehouse at 34th St. and 11th Ave, for G. S. Hoster, of Columbus, O., has been let to JOHN WEBER & SONS, 12 East 23d St. Brick and stone, 4 stories, 100 × 100 ft. H. Maetzel & Co., of Columbus, O., are Archs.

J. T. HUNT, 27 East 22d St., has been awarded contract for electric wiring for new $75,000 parochial school at Washington and Barrow Sts., in course of erection for the R. C. Church of St Veronica. C. H. Peckworth, 415 Hudson St. ,is the general contractor, and Patrick Walsh, 420 West 25th St., has carpenter contract. W. K. Benedict, 11 East 42d St., is Arch.

John Wanamaker, Ninth St. and Broadway, is taking figures on stable to be erected at 175th St. and Park Ave., for himself from private plans. Cost, $100,000.

C. A Rich, Arch., 320 Fifth Ave., is taking figures on a $50,000 alteration to residence of C. A. Braman, 70 Worth St., located at 89th St. and West End Ave. Brick and stone, 4 stories, 40 × 100 ft.

W. W. Knowles, Arch., 1135 Broadway, is ready for figures on electric wiring on the new $225,000 office building to be erected at 304 East 23d St., for E. W. Bliss, 110 Worth St. Brick and stone, 12 stories, 70 × 100 ft. A. J Robinson, 123 East 25d St, is the general contractor, and Lewis Harding, 118 East 13th St, has carpenter contract.

The Board of Education will soon advertise for bids on electric wiring for the $250,000 school to be erected at 119th St and Seventh Ave. P. J. Breman, 1358 Broadway, is the general contractor

M Rosenblum, 1 East 117th St, is taking figures on an office building to be erected at 110th St and Lenox Ave, for himself from plans by L. J. F. Welber, Arch., 103 East 125th St. Brick and stone, 3 stories, 60 × 105 ft. Cost, $75,000.

J. B. LEAHY BUILDING CO., 1 East 42d St., has been awarded general contract for erecting loft building at Hudson and Franklin Sts. for J. M. Powell, 326 West 72d St. H. Fouchaux, Arch., Broadway and 102d St. Brick and stone, 7 stories, 50 × 100 ft.

Buchman & Fox, Archs., 11 East 59th St., have completed plans for residence to be erected at 79th St., and Madison Ave., for the J. C. Lyons Building Co., 4 East 42d St. Brick and stone, 5 stories, 25 × 65 ft. Cost, $75,000.

CENTRAL REALTY CO., 900 Seventh Ave., is the general contractor for new $800,000 apartment hotel to be erected at 72d St. and Amsterdam Ave., for the Ripley Realty Co., and desires sub-bids on mason work, carpenter work, heating and ventilating, plumbing, engines and generators, boilers, elevators and electric wiring. Mulliken & Moeller, Archs., 7 West 38th St.

The contract for erecting 11-story bank building, 60 × 142 ft., at Fifth Ave. and 21st St., for the Hudson Realty Co. ,135 Broadway, has been let to the MURPHY CONSTRUCTION CO., 5 East 42d St. H. A. Jacobs, 322 Fifth Ave., is Arch.

The contract for installing elevator plant,

using electric-driven machines for the New York custom-house, has been awarded to the OTIS ELEVATOR CO., 17 Battery Place, New York City, at $79,910.

RIVERDALE, N. Y.—S. F. QUICK & SONS, 3 Atherton St., Yonkers, have been awarded general contract for building an addition to residence of Geo. W. Perkins, 146 Broadway, New York City, at Riverdale on the Hudson. Heins & La Farge, 30 East 21st St., are Archs.; J. R. Moore, 156 Fifth Ave., Elec. Engr. Cost, $75,000.

JERSEY CITY, N. J.—The following were lowest bids deposited for work to be done on new City Hospital here, for which Clinton & Russell, 32 Nassau St., New York City, are Archs.; M. T. Connelly, 238 17th St., Jersey City, $183,000 for entire work; J. H. Parker Co., 225 Fourth Ave., New York City, $17,000, for plumbing. Watson Flagg Co., $9,475 for electric wiring; E. Rutzler, 27 White St., New York City, $18,040 for heating and ventilating.

JERSEY CITY, N. J.—Bids for construction of new court-house to be erected in Jersey City for Hudson County will be advertised for about Oct. 15. Granite and marble, 3 stories, 135 × 175 ft. Hugh Roberts, 1 Exchange Place, Jersey City, Arch.; A. R. Wolff, 130 Fulton St., New York City, heating and ventilating Engr.; Chambers & Hone, 60 New St., New York City, Steel Engrs. Bids for excavation were rejected as being too high and will be readvertised.

PHILADELPHIA, PA.—Competitive drawings for $500,000 addition to Union League Clubhouse have been submitted by the following architects: Cope & Stewardson, Jos. M. Huston, Rankin & Kellogg, E. V. Seeler, C. E. Schermerhorn and Furness & Evans.

PHILADELPHIA, PA.—HARRY GILL, 2200 Germantown Ave., has been awarded contract for warehouse at Eighth and Dauphin Sts. Brick, 4 stories, 30 × 60 ft.

WILKESBARRE, PA.—F. L. Olds, Arch., has invited bids for a store for Stafford & Trainer. Brick and steel, 3 stories, 50 × 150 ft.

PHILADELPHIA, PA.—Ballinger & Perrot, Archs., 1200 Chestnut St., have invited bids for warehouse at Second and Wildey Sts., for Wm. Montgomery & Co. Brick, steel and concrete, fireproof, 5 stories, 40 × 125 ft.

The contract for warehouse at American and York Sts., for Rex & So., has been let to S. B. MACDOWELL & SON, 2144 North 20th St. Brick, 5 stories, 120 × 100 ft.

Chas. E. Oelschlager, Arch., Harrison Bldg., is preparing plans for church and Sunday-school at 47th St. and Cedar Ave.

WAYNESBORO, PA.—J. W. Woltz, Arch., is preparing plans for new school for the School Board. Brick and stone, 2 stories, 95 × 75 ft.

BALTIMORE, MD.—H. SMITH & SON, of Baltimore, have received contract to construct U. S. custom-house, at $352,135.

Contract for constructing foundations of the municipal fish market has been awarded to the CRANFORD PAVING CO., of Washington, D. C.

Jos. Clendenin, Pres. Presbyterian Association, 14 East Mt. Vernon Place, has purchased lot 200 × 150 ft. at Denmore Park, upon which will be erected chapel for Presbyterian Congregation.

FORT MONROE, VA.—Bids are asked until noon Oct. 16 for furnishing and installing fixtures for electric lighting in 30 sets bachelor quarters, three double sets officers' quarters and the post exchange and gymnasium. Capt. R. H. C. Kelton, Q. M. (Advertised, Engineering News.)

SUFFOLK, VA.—The Columbian Peanut Co. will erect a five-story warehouse.

FORT MEYER, VA.—WM. H. McCRAY, Atlantic Bldg., Washington, D. C., has been awarded contract for bachelor officers' quarters here. Cost, $40,000.

ASHEVILLE, N. C.—A $60,000 Roman Catholic church will be erected here. Work on the foundations have been started. R. Gustavino, Arch.

DURHAM, N. C.—The contract has been awarded for the building of the new city high school building to I. G. Lawrence of Durham, at a cost of $35,000.

MACON, GA.—We are informed that the plans for Georgia Academy for Blind will be ready for contractors Oct. 15. Alex. Blair, of Macon, Arch. Cost, $50,000. Previously noted.

MARIANNA, FLA.—Bids will be received until Oct. 2 for erecting court-house here, for Jackson County. Alex. Blair, of Macon, Ga., is Arch.

FORT DE SOTO, FLA.—Bids are asked by Lieut. R. S. Pratt, C. Q. M., U. S. A., until Sept. 29 for constructing two sets civilian quarters and one ordnance storehouse at this post; also ordnance storehouse at Fort Dade, Fla.

KEY WEST, FLA.—The county will issue $60,000 of bonds for school buildings.

BIRMINGHAM, ALA.—The Lake Jackson Hotel will be remodeled at a cost of $30,000. R. D. Burnett will be manager.

The plans for new terminal station to be erected here by the Birmingham Terminal Co., at a cost of $1,000,000, have been accepted. P. Thornton Marye, of Atlanta, Ga., is Arch.

It is stated that W. H. Woodward and associates will erect a 15-story office building here.

MERIDIAN, MISS.—The Y. M. C. A. will erect a building at a cost of $100,000. The secretary can give information.

NEW ORLEANS, LA.—The Canal-Louisiana Bank will erect a bank and office building.

NEW ORLEANS, LA.—The Hotel Denechaud will be erected by the La Baronne Hotel Realty Co., at a cost of $750,000. Lawrence Fabacher is Pres.

LOUISVILLE, KY.—Kenneth McDonald, Arch., has completed plans for west wing of Presbyterian Theological Seminary, at First St. and Broadway. Cost, $75,000.

KNOXVILLE, TENN.—Contract for the erection of the seven-story annex to the Empire office building has been awarded to THOMAS & TURNER. Baumann Bros., Archs.

MEMPHIS, TENN.—The Royal Realty Co. will remodel the Planters' Insurance Bldg., at 121 Madison St., at a cost of $50,000. Shaw & Pfeif, Archs.

The same architects have plans for a seven-story office building for the Business Men's Club.

LOUISVILLE, KY.—Richards, McCarthy & Bulford, of Columbus, O., are preparing plans for passenger station, to be erected here by the Lackawanna & Northern, C. & O. and L. & E. roads, at a cost of $300,000.

CLEVELAND, O.—The Euclid Ave. Christian Congregation, let contract for foundation for new building to JOHN GRANT & SON, 205 Cornell St. We are informed that plans for the superstructure will be ready for bids in about two months. Kramer & Hamilton, Archs., 1 Madison Ave., New York City. Cost, $80,000.

OBERLIN, O.—Cass Gilbert, Arch., 79 Wall St., New York City, has prepared plans for chapel for Oberlin College. Address C. P. Doolittle, Oberlin. Cost, $90,000.

MARIETTA, O.—Bids are asked by President of Marietta College until Oct. 5 for tearing down the p resent dormitory, the erection of a new dormitory building and a new library building. Patton & Miller, Archs., 140 Dearborn St., Chicago, Ill.

CLEVELAND, O.—G. B. Post, Arch., 33 East 17th St., New York City, is taking figures on new bank building to be erected at Erie and Euclid Sts., Cleveland. Pattison Bros., 949 Broadway, New York City, are Electric Engrs.; A. R. Wolff, 130 Fulton St., New York City, Steam Engr. Brick and stone, fireproof, 4 stories, 124 × 140 ft.

HOLLAND, MICH.—J. H. Daverman & Son, Archs., Grand Rapids, are preparing plans and will be ready for bids about Oct. 12 for dormitory at Hope College, Holland. G. J. Kollen, Pres.

ANN ARBOR, MICH.—The sum of $100,000 has been subscribed by the alumni of the University of Michigan for the erection of a memorial hall. No architect has yet been appointed. E. W. Pendleton, Union Trust Bldg., Detroit, is Secy. Bldg. Com.

DETROIT, MICH.—Sealed proposals will be received by Capt. P. Whitworth, Q. M., until Oct. 4 for constructing, plumbing, heating and electric wiring brick double set captain's quarters, double set lieutenants' quarters and two double barracks here.

HARVEY, ILL.—Patton & Miller, Archs., 140 Dearborn St., Chicago, Ill., have completed plans and will soon be ready for figures for two warehouses to be erected in Harvey, for Geo. M. Clark & Co., 72 Lake St., Chicago. Cost, $60,000.

CHICAGO, ILL.—Wm. Klemer, Arch., 109 Randolph St., has completed plans for an apartment building to be erected at Ravenswood, for Adolph Spielmann. Cost, $50,000.

SIOUX CITY, IA.—Frank B. Gilbreth, 34 West 26th St., New York City, who has the general contract for warehouse at Sioux City, for Simmons Hardware Co., of St. Louis, Mo., wants figures on sprinkler system, boilers, engines, generators, motors, heating system, etc. Brick and stone, 4 stories, 125 × 275 ft.

ST. PAUL, MINN.—The Minnesota State Agricultural Society will erect during the coming winter and summer a fireproof live stock amphitheatre, at the State Fair grounds here. It will be 600 × 250 ft. containing an arena 500 † 150 ft. It will have a seating capacity of 15,000 and will be constructed of steel and concrete, costing $100,000. E. W. Randall is Secy.

MINNEHAHA FALLS, MINN.—A. F. Gauger, Arch., St. Paul, will receive bids until Oct. 5 for the erection of building at Minnesota Soldiers' Home. Cost, $75,000.

LINCOLN, NEB.—S. S. Beman, Arch., 203 Michigan Ave., Chicago, Ill., has nearly completed plans and will soon take figures for church to be erected in Lincoln for the Christian Science Congregation. Cost, $75,000.

LINCOLN, NEB.—The contract for heating and ventilating the public building at Lincoln has been awarded to A. J. ARCHAMBO, of Minneapolis, Minn., at $14,500.

NEOSHO, MO.—Sealed bids for the erection of three brick buildings for a bank and two business houses will be received at the First National Bank until Sept. 26. A. C. Michaelis, Arch., Joplin.

BOONEVILLE, MO.—An election will be held Sept. 30 to vote $100,000 court-house bonds.

CHILLICOTHE, MO.—The County Court has ordered an election to vote $100,000 of bonds for new court-house.

JEFFERSON CITY, MO.—The Supreme Court Commission has let contract for new supreme court building to the HILL-O'MERA CONSTRUCTION CO., of St. Louis, for $176,000.

FAYETTEVILLE, ARK.—DONAGHEY & McILROY, of Fayetteville, were awarded the entire contract for erecting five brick and stone buildings for the University of Arkansas at $96,450. H. F. Reagan, Secy. Bd. Trustees.

LITTLE ROCK, ARK.—The Interstate Amusement Co. has purchased property on Main near Eighth St., and will erect a modern vaudeville house, at a cost of about $35,000. Chas. L. Thompson, Res. Arch.

LUFKIN, TEX.—McCarthy, Starnes & Co., Consult. Engrs., Lufkin, are preparing plans and specifications for 175-room sanitarium to be constructed of reinforced concrete steel, fireproof and strictly modern in all appointments. The requirements will be fan system of ventilation throughout, electric lighting and heating plant, refrigerating plant, electric elevator, electric annunciators, speaking tubes, telephone system, Turkish and sanitary bathing apparatus, toilet equipment, laundry, laboratory and surgical equipment, marble floor and walls, solid glass floor and wall lining for surgical and operating compartments. Catalogues and quotations are desired for all structural material and equipment.

ENID, OKLA.—Sealed proposals will be received by County Commissioners until Oct. 10 for the erection of new court-house. A. A. Crowell, Arch.; J. F. Danely, County Clk.

OKLAHOMA CITY, OKLA.—The contract for construction of First Baptist Church here has been let to J. W. LUCAS. Cost, $75,000.

SHAWNEE, OKLA.—The following bids were opened Sept. 14 at the Indian Office, Washington, D. C., for construction of two brick dormitories, one mess hall and a water and sewer system at the Shawnee school: W. D. Lovell, Minneapolis, Minn., brick mess hall, $7,502.40; equipped for gas lighting add $129.16; equipped for electric lighting add $192; boys' dormitory, $11,967.60; gas lighting add $126.20; electric lighting add $240; girls' dormitory, $11,730.60; gas lighting add $187.20; electric lighting add $240; water system, $1,708.80. Fielding & Strough, Guthrie, water and sewer system, $4,475; two dormitories, $28,686; gas, $29,686; electric, $29,286; mess hall, $9,943; gas, $10,343; electric, $10,168. A. Motschman, Chicago, Ill., water and sewer system, $1,850; dormitories, $26,600, gas or electric lighting, $27,100; mess hall, $8,460; gas or electric add $150. Andrew F. Bins, Oklahoma City, water and sewer system, $1,575. Higgins & Furnace, Shawnee, dormitories and mess hall, $41,500; gas, $41,475; electric, $41,500. Frank Fagerquist, Shawnee, dormitories, $29,972; gas, add $497; electric, add $337; mess hall, $7,924; gas, $225; electric, $185; water and sewer system, $3,925. A. O. Campbell, Oklahoma City, dormitories, $24,492; gas, add $550; electric, add $425. R. M. Crissman & Link Cowen, Shawnee, dormitories, $11,971 each; gas, $11,971; electric, $11,900; mess hall, $9,745; gas, $9,475; electric, $9,700; sewer and water system, $1,800.

COLORADO SPRINGS, COLO.—Sealed proposals will be received by Jas. Knox Taylor, Supv. Arch., Washington, D. C., until Nov. 14 for construction (except heating apparatus, electric wiring and conduits) of U. S. post-office and court-house at Colorado Springs.

NORTH YAKIMA, WASH.—The contract for new Yakima County court-house was not let. There were only three bids and the Commissioners decided to readvertise. Two bids were from North Yakima firms, and they were more than $10,000 above the architect's estimate of $80,000. One bid from Seattle was near the estimate, but no certified check accompanied the bid.

FORT WM. H. SEWARD, ALASKA.—J. E. BONNELL, Commerce St., Tacoma, Wash., was awarded contract for one field officers' quarters, one double captains' quarters, one lieutenants' quarters, two non-commissioned staff officers' quarters and one addition to storehouse, as follows: Construction, $77,816; plumbing, $5,330; electric wiring, $1,776. Capt. F. A. Grant, Q. M.

WATER SUPPLY—IRRIGATION.

The names of parties awarded contracts are printed in capital letters.

BUFFALO, N. Y.—Following bids were received Sept. 12 by Francis G. Ward, Comr. Pub. Wks., for building two 30,000,000-gallon triple expansion pumps: Lake Erie Engineering Works, Buffalo, $215,000; Allis-Chalmers Co., Milwaukee, $243,950; Holly Manufacturing Co., Buffalo, $224,750; William Tod Co., Youngstown, O., $262,000. The Council on Sept. 13 voted to award the contract for a 25,000,000-gallon electrical pump to Allis-Chalmers Co., Milwaukee, for $26,600. Bids for this pump were received some time ago.

MOUNT HOPE, N. Y.—Mount Hope Water Supply Co. has been incorporated with $10,000 capital to supply Otisville. Theodore Writer, C. W. Loomis and T. H. Easton, Otisville, are interested.

TROY, N. Y.—Bids are asked by Board Contract and Supply, James M. Riley, Clk., until 11 a. m., Sept. 26, for clearing Tomhannock reservoir site.

SILVER SPRINGS, N. Y.—Village has voted against proposition to buy the Castile water-works plant for $15,000.

LAKEWOOD, N. Y.—We are advised that bids will be asked for as soon as possible for new gravity system of village water-works, est. cost of which is $35,000. Work will require reservoir of 1,125,000 gallons capacity, about 50 hydrants, 20 valves, and about five miles of cast iron pipe; one or two pumps, probably gas or gasolene engines, will be required. Clyde G. Jones, Acting Cy. Engr., Jamestown, N. Y., is Des. Engr.

SHERBURNE, N. Y.—We are informed that this place has voted to raise $10,000 for reservoir repairs, which will include about 320 cu. yds. concrete. E. F. Musson, Norwich, N. Y., has made the plans and will have charge of the work, which will be done by day labor.

PLAINFIELD, N. J.—This city votes Sept. 27 on proposition to purchase system of Plainfield Water Supply Co. or to build new plant.

PERTH AMBOY, N. J.—Water Commissioners have awarded contract for triplex direct-acting pumping engine to HENRY R. WORTHINGTON, New York, for $14,400. Bids were opened Aug. 30.

WAMPUM, PA.—Village votes to issue $13,500 of bonds for erecting municipal water system and electric light plant.

WILLIAMSBURG, PA.—Bids are asked by W. P. Trostle, Secy. Council, until 7 p. m., Oct. 11, for furnishing and laying about 13,000 ft. of 8-in. and 2,700 ft. 6-in. cast-iron pipe, building dam across Schmucker Run, etc. Henry & Dillman, Engrs., Altoona, Pa. (Advertised, Engineering News.)

McKEESPORT, PA.—Matter of expending $200,000 for a filtration system and water-works improvements will probably be voted on at an election Nov. 7. J. B. Ayers is W. Comr.

DELAWARE WATER GAP, PA.—The Caldeno Water Co., in which T. [illegible] Johnson, of this place, and J. B. Williams, of Stroudsburg, Pa., are interested, is [illegible] a charter for the purpose of instal[illegible] a water-works plant and system in the borough of Delaware Water Gap.

OAKLAND, MD.—L. T. Yo[illegible] Pittsburg, Pa., has been granted franchi[illegible] construct water-works and sewerage in [illegible] city.

RICHMOND, VA.—We are [illegible]med that all bids received Sept. 5 by Ch[illegible] C. Bolling, Supt. W.-W., for constructing [illegible] reinforced concrete conduit and furnishing [illegible] and laying 36-in. and 42-in. cast-iron p[illegible] were rejected on Sept. 14. Itemized b[illegible] are given under Contract Prices.

BENWOOD, W. VA.—Benwood Water Co. is said to contemplate doubling [illegible] city of its filter system.

PARSONS, W. VA.—A franc[illegible] has been granted to N. T. Robinson, [illegible] intendent of the pulp mill here, to est[illegible] water-works for the town.

HARTSVILLE, S. C.—We are [illegible]vised that surveys for water and sewer[illegible] are now being made. H. A. Edwards is [illegible]yor.

FORT SCREVEN, GA.—Bids are [illegible]ked until noon, Sept. 29, for enlarging pump house and installing boilers and pumps, and sinking two 6-in. wells for this post. Jos. T. Davidson, Q. M.

GRIFFIN, GA.—We are informe[illegible] that city is considering plans to erect a 15-ft. to 18-ft. dam to form a reservoir to hold about 8,000,000 gallons of water. N. B. Dewey is Mayor.

LUCEDALE, MISS.—Town Council has granted water-works franchise to G. M. Luce and associates.

OWENSBORO, KY.—Contracts for installing 15 water-works plants on various farms has been let to T. J. TURLEY CO. It is said that 30 or more contracts will also be secured by that firm shortly. The power for the plants is secured by siphon windmills.

SMITHS GROVE, KY.—Contract for putting in private water-works here is stated to have been let to S. E. ELLIS, Bowling Green, Ky.

WILLIAMSBURG, KY.—Surveyors have been locating route for mains and site for reservoir for water-works in this place. Supply will be from Cumberland River, one mile from town.

READING, O.—Bids are asked by Board Public Affairs until Sept. 25 for furnishing about 80 tons 4-in. cast iron water pipe and two tons cast iron special castings, f. o. b. cars at Reading.

CINCINNATI, O.—Bids are asked by Board Trustees, Commissioners of Water-works, Elmer G. Prior, Clk., until noon, Oct. 13, for laying cast-iron pipe and specials under and across Mill Creek, and along and south of Queen City Ave., in Liberty St., and Dodsworth Ave. Bids are also asked until Oct. 13 for furnishing and delivering filter sand and gravel for filtration plant.

LANCASTER, O.—Bids are asked by Board Public Service, George Cunningham, Clk., until noon, Sept. 26, for furnishing labor and material for water-works extension, the work requiring about 3,170 ft. of 4-in. cast-iron water pipe, special castings, two 4-in. × 4-in. crosses, nine 4-in. valves and nine valve boxes, etc.

TOLEDO, O.—The bids received Sept. 7 by Board Public Service for constructing a 6-ft. diameter, 7,000 ft. long concrete water conduit are given under Contract Prices.

TOLEDO, O.—Plans and specifications for the construction of water filtration works for this city may be seen at offices of Engineering News, 220 Broadway, New York, and Monadnock Block, Chicago, Ill. Bids are asked until Oct. 10, as is stated in our advertising columns.

NEWARK, O.—Plans and specifications for furnishing labor and material for construction of water-works for this city may be seen at office of Engineering News, 220 Broadway, New York. Bids are asked by Board Public Service, Frank T. Maurath, Clk., until noon, Sept. 30. (Advertised, Engineering News.)

LANESVILLE, IND.—Bids are reported asked by Lanesville Water-Works Co. until Sept. 25 for constructing water-works. The company was incorporated recently with $6,000 capital to supply this place, population of which is 400.

HANCOCK, MICH.—We are advised that Board Public Works has recommended construction of 1,000,000-gallon reservoir. Matter, however, has not been passed upon by the city council, and it is probable that construction work will be postponed until next year. C. B. M. Craig is Cy. Engr.

HUBBELL, MICH.—We are informed that plans for water-works for this village, contemplate 15,000 ft. 4-in. to 10-in. cast-iron mains and a 144,000-gallon concrete reservoir. Supply is to be from driven wells sunk to a probable depth of 100 ft. Plans for a pumping plant will not be taken up until a water supply is developed. C. B. M. Craig, Hancock, Mich., is Des. Engr.; A. F. Fisher, Village Pres., is official in charge.

CHICAGO, ILL.—Bids are asked by J. M. Patterson, Comr. Pub. Wks., until Oct. 4, for furnishing and erecting in boiler room of Lakeview pumping station four 250-HP. internally fired, horizontal return tubular boilers. (Advertised, Engineering News.)

ROCK ISLAND, ILL.—Bids are asked by H. C. Schaffer, Cy. Clk., until 2 p. m., Oct. 2, for a pumping engine for water-works department. A 10,000,000 gallon capacity engine was recommended in a report of the Superintendent of Water-Works.

MOLINE, ILL.—City is reported to be calling for bids for improvements at the filter plant.

WAUPACA, WIS.—Bids are asked by Jeff Woodnorth, Cy. Clk., until 2 p. m. Oct. 2 for furnishing and laying water mains and for generator, motor, centrifugal pump, water wheel governor, etc. W. G. Kirchoffer, Engr., Madison, Wis. Plans and specifica-

tions may be seen at office of Engineering News, Monadnock Bldg., Chicago, Ill. (Advertised, Engineering News.)

IDAGROVE, IA.—Surveys have been made for water system.

GLENWOOD, MINN.—Contract for constructing water-works here is stated to have been let to W. C. FRAISER, Rochester, MINN., for $8,500.

EAST GRAND FORKS, MINN.—Bids are asked by E. R. Jacobi, Cy. Recdr., until 7.30 p. m., Oct. 6, for construction of waterworks to comprise a pumping plant, with electrically driven pumps and necessary appurtenances, a settling basin, a steel water tower and pipe distribution system, and also a 300 HP. steam engine with d. c. generators, etc., and boiler equipment with buildings. F. W. Cappelin, Engr., Minneapolis, Minn.

ST. CLOUD, MINN.—Special election is to be held Oct. 24 to vote on issuance of $30,000 of bonds to install filter plant and extend water-works system.

BURLINGTON, KAN.—City votes to issue $16,500 of bonds for purchase of local waterworks.

LEBANON, KAN.—Town has voted bonds for putting in water-works.

BASSETT, NEB.—It is proposed to construct water-works here at a cost of $8,000.

WAGNER, S. DAK.—Town votes Sept. 25 on a $10,000 bond issue for water-works.

ASHTON, S. DAK.—Contract for constructing water-works here has been let to L. W. KELLEY, Aberdeen, S. Dak., for $3,900. System will include 5,000 ft. of pipe.

KANSAS CITY, MO.—Bids are asked by Board Public Works, Everett Elliott, Secy., until 2 p. m., Oct. 14, for furnishing material, labor and appliances necessary to construct two shafts of 8 ft. inside diameter, and connecting same under Kaw River with a tunnel 7 ft. inside diameter and about 1,125 ft. long. (Advertised, Engineering News.)

FORT WORTH, TEX.—Bids are asked by John F. Lehane, Chn. W. Com., until 3 p. m., Oct. 5 for furnishing materials, machinery and labor for compressed air plant for pumping purposes at city water-works. John B. Hawley, Cy. Engr. (Advertised, Engineering News.)

Following bids were received Sept. 9 by Water-Works Committee, for construction of 2,000,000 gallon reservoir: Leversedge Bridge Co., Fort Worth, $12,900 (recommended for acceptance); R. K. Dabney, $13,500; McQuatters Plumbing & Machine Co., $14,800.

IDAHO SPRINGS, COLO.—City Council is stated to have awarded contract for construction of water-works to BOULDER IRON WORKS, for $43,037.

BOULDER, COLO.—Bids are asked by Eugene Wilder, Cy. Clk., until 8 p. m., Oct. 18, for labor and materials for installation of water main system. Work will require 16,200 lin. ft. 16-in., 18-in., 20-in. and 24-in. steel or wood stave pipe, and 6,600 ft. 12-in., 13-in. and 14-in. steel pipe; or 27,200 ft. 12-in., 15-in., 16-in. and 24-in. all steel pipe line. About 37,800 lin. ft. trenching, pipe laying and back filling, valves, etc., will also be required.

BRICE, N. MEX.—Southwest Smelting & Refining Co., according to reports, is to pipe water from headwaters of Sacramento River to this place, 20 miles distant.

LOVELOCK, NEV.—We are advised that about 5,600 ft. of pipe and 45 hydrants for fire protection purposes only will be required for water-works here, for which bids are now being asked. Supply is to be obtained from gang wells and will be raised by 20 HP. gasoline engine. The approximate lift to mains is 25 ft. H. W. Newly, County Surv. is Engr.; W. C. Rudd, County Comr., is official in charge.

FORT WALLA WALLA, WASH.—Bids are asked until 2 p. m., Sept. 30 for installing water mains, etc., at this post. Noble H. Creager, Q. M.

BALLARD, WASH.—The E B. Cox Investment Co. representing capitalists of Seattle and other points, has made a proposition to the city council to furnish a maximum supply of 4,000,000 gallons per day. The promoters have secured springs a few miles north of city and propose to furnish supply from that source.

TACOMA, WASH.—We are informed that nothing has been done toward gravity system of water supply for this city, except to measure streams. It is probable that extensive surveys will be begun at once. Frank L. Davis is Cy. Engr.

SUNNYSIDE, WASH.—We are advised that bids will probably be called for the latter part of October for proposed new water-works for this city. Probable cost is $12,000. Wound stave pipe mains will be used and reservoir constructed on hill ¼ mile distant. Supply is to be from wells and electric power will likely be used to pump with. O. L. Waller, Pullman, Wash., is Des. Engr.; Wm. B. Bridgeman is Mayor.

EUGENE, ORE.—We are informed that no contract has been let for municipal waterworks and electric light plant. If city decides to own its light and water plants, prices and costs on each will be taken. F. M. Wilkins is Mayor.

PORTLAND, ORE.—Blue prints and specifications for proposed high service main for this city may be seen at office of Engineering News, 220 Broadway, New York. Bids are asked until Oct. 11 as advertised in Engineering News.

SAN FRANCISCO, CAL.—The Union Light & Water Co. has been incorporated here with a capital stock of $2,000,000 by Joseph Martin, Mortimer Fleishacker, R. E. Wallace and H. A. Cooke of this city; Frank H. Buck of Vacaville and Richard Kirman and John Humphreys, of Reno, Nev.

TURLOCK, CAL.—We are advised that contract for steel trestle and wooden box flume for main canal of Turlock Irrigation District, John L. Brown, Secy., has been let to HEDMAN & OLSEN, Turlock, Cal. Bids were opened Sept. 5.

EUREKA, UTAH.—City has closed three-year contract with Eureka Hill Mining Co., for supplying water to city system.

MONROE, UTAH.—Village has voted bonds for putting in water-works.

OGDEN, UTAH.—An ordinance has been passed granting Ogden Water-Works Co. the right to operate in this city.

TROY, IDAHO.—Holms Bros., owners of saw mill here, have made proposition to install water-works to supply town. Proposed to build reservoir and bring supply through four miles of 4-in main.

LEWISTON, IDAHO.—Local reports state that the Commercial Trust Co., W. H. Hurlburt, Pres., is to construct canals for the irrigation of 5,000 acres of land between Lewiston and Lake Waha. Canal, 14 miles long, will be constructed between Soldier Meadows and Lake Waha.

ROSSLAND, B. C.—It is stated that the Seward estate has been purchased by Messrs. James Hunter, Robert Hunter, Smith Curtis, Langford and S. Lawson, of Rossland, and will be sub-divided into thirty fruit farms. An unlimited water supply will be furnished and a flume will be built which will cost about $20,000.

SEWERAGE.

The names of parties awarded contracts are printed in capital letters.

WALTHAM, MASS.—The Finance Committee has recommended the adoption of the order of $21,000 for the Roberts sewer.

DANBURY, CONN.—Sealed proposals will be received until 8 p. m., Sept. 26, for construction of sewers and appurtenances on Crosby, Main and Franklin Sts., consisting of 718 lin. ft. 12-in. c. i. pipe, 3,652 lin. ft. 12-in. vitrified sewer pipe, 950 lin. ft. 10-in. vitrified sewer pipe and 25 manholes complete. Henry N. Fanton, Cy. Clk.; A. L. Davis, Cy. Engr.

TROY, N. Y.—The Common Council Committee on Public Works has reported favorably on a resolution for tile sewer in Maple Ave.

WATERFORD, N. Y.—Plans for sewers have been ordered by Village Trustees.

BUFFALO, N. Y.—The following bids were received Sept. 1 by Department Public Works for constructing pipe sewers in Roseville, Hydraulic and Seneca Sts.: J. W. Dwyer & Son, $30,857; Johnson & Mumm, $33,900; Miller & Franklin, $36,350; Dark & Co., $37,600; Wm Franklin, $37,359; W. G. Smith, $37,998, all of Buffalo.

BROOKLYN, N. Y.—Bids are asked by Martin W. Littleton, Boro. Pres., until Sept. 27 for constructing sewers in portions of five streets.

BALLSTON SPA, N. Y.—We are informed that bids were received Sept. 7 by Board of Trustees for septic tank, sewer pipe, etc., as follows: (1) septic tank, beds, etc.; (2) rec. tank, pumps, etc.; (3) pump house; (4) gate house; (5) force main; (6) sewer pipe; (7) crushed stone; (a) entire work: John E. Gaffney, (a) $117,672; Golden & Lansing, (5) (6), $8,551; Flood, Sherrill & Lenihan, (a) $118,810; Albany Material & Const. Co., (a) $114,390; Cameron & Hawn Realty Co., (a) $123,125; Chas. D. Beckwith, (1) $54,535; Ballston Stone Co., (7) $34,650; Bacterial Sewage Purification Co., (1) (2) (3) (4) (7) $92,855; Bunting Const. Co., first six items, $69,289; Browne & Lowe, (a) $100,687. John M. Farley, Engr., White Plains, N. Y., informs us that the contract will probably be awarded Sept. 22.

INDIANA, PA.—Sealed proposals will be received by Borough of Indiana until Sept. 25 for 3,000 ft. of 6, 8 and 10-in. sewer. R. M. Mullen, Boro. Engr. (Advertised, Engineering News.)

MONONGAHELA, PA.—Bids are wanted for laying an 8-in. sewer line on Sheridan and Williams Sts. Address H. R. Hanna, 303 Fourth St.

ST. CLAIR, PA.—The Wilkesbarre (Pa.) Construction Co., was given a $9,000 sewer contract by Boro Council.

WASHINGTON, D. C.—Bids are asked by Capt. A. W. Butt, Q. M., until 2 p. m., Sept. 28 (readvertisement) for constructing sewer from coal testing plant on U. S. reservation at south end of Aqueduct Bridge, Rosslyn, Va., to the Potomac River.

WASHINGTON, D. C.—The following bids were opened Sept. 11 at the office of District Commissioners for laying the 60-in. iron pipe which will form the outlet of outfall sewer: J. H. Lauchheim, $36,180; Hiram W. Phillips, $43,500.

ATLANTA, GA.—It is stated that the city will receive bids in the near future for the proposed extension of trunk sewer in Eighth Ward. R. M. Clayton is Cy. Engr.

PIQUA, O.—H. E. Whitlock, Cy. Engr., has plans and the Board Public Service will advertise for bids in about three weeks for construction of about 2,000 ft. of 8 and 10-in. sewers.

ELYRIA, O.—The Board Public Service, Scott Hyman, Chn., will advertise for bids about Oct. 15 for construction of 36-in. brick and 24-in. vitrified pipe sewers.

LOCKLAND, O.—We are informed that Riggs & Sherman Co., Engrs., Toledo, has prepared plans for sewerage and sewage disposal at Lockland.

NAPOLEON, O.—Bids are asked by F. W. Hilgendork, Village Clk., until Oct. 2 for construction of a combination storm water and sanitary sewer on Perry St., approximately 558 lin. ft. vitrified, salt-glazed, sewer pipe, 10-in. in diameter. W. O. Hudson, Engr.

DAYTON, O.—We are informed that the contracts for constructing storm water sewers, bids for which were opened Sept. 12, were awarded to PHIL. W. MINNIGAN, of Dayton, as follows: Colorado Ave., $454; Heaton Ave., $792; Illinois Ave., $1,050; Missouri and Erie Aves., $632. F. M. Turner, Cy. Engr.

CHILLICOTHE, O.—We are informed that the contract for constructing sanitary sewer laterals on Main and Second Sts., has been let to W. H. RINGWALL, of Chillicothe, for $1,354.

SOUTH BEND, IND.—We are informed that HOBAN & ROACH, of South Bend, have been awarded contract, at $4,124, for constructing sewer here. Bids were opened Sept. 10.

WINCHESTER, IND.—Bids are asked by County Commissioners until Sept. 29 for constructing 9,000 ft. of tile sewer near Crete. Alonzo G. Wright, Chn.

INDIANAPOLIS, IND.—Bids will be received by Board Public Works until Sept. 25 for constructing a 24-in. pipe sewer on Meridian St. M. A. Downing, Pres.; B. J. T. Jeup, Cy. Engr.

RIVER ROUGE, MICH.—The Village Council is considering the construction of a sewer system. The legislature has passed an act allowing the village to bond for $150,000.

WINNETKA, ILL.—Ordinances were passed by Village Council providing for general sewer, storm water sewer and the Hubbard Woods sewer.

HINSDALE, ILL.—The Board Local Improvement contemplates installing a complete sewerage system. Lester C. Childs, Secy.

ALTON, ILL.—E. E. Rutledge, Cy. Engr., writes us that plans for paving and sewer work are complete, and ordinance will probably be presented at next meeting of City Council.

CHICAGO, ILL.—Sealed proposals will be received by J. M. Patterson, Comr. Pub. Wks., until Sept. 30, 11 a. m., to reverse the 70th St. sewer from Jackson Park Ave. to Cregier Ave.

FOND DU LAC, WIS.—The Board Public Works has ordered the following sewers to be constructed: 4,000 ft. 24-in., 1,100 ft. 18-in., 1,300 ft. 20-in.; 5,100 ft. 15-in., 1,000 ft. 12-in., and 1,200 ft. 8-in. Plans have been made by G. H. Stanchfield, Cy. Engr.

AMES, IA.—Bids are asked by Council until Sept. 25 (readvertisement) for constructing about 3½ miles of sewers. A. B. Maxwell, Cy. Clk.

DES MOINES, IA.—Bids are asked by Board Public Works until 11 a. m., Sept. 29 for construction of a 12-in. vitrified clay pipe sewer on Hayes St. John W. Budd, Cy. Engr.

ST. PAUL, MINN.—The Board Public Works has received the following estimates for sewers from the city engineer: Thomas Charles and Chatsworth Sts., $28,587; Railway Place, Cromwell, Wabash, Hampden and Myrtle Sts., $28,165.

BENSON, MINN.—Bids are asked by H. J. Crooks, Vil. Recdr., until Sept. 30 for constructing two 12-in. pipe sewers.

ALBERT LEA, MINN.—Wm. Barneck, Cy. Engr., writes us that the City Council on Sept. 13 passed resolution calling for an election to be held Sept. 26 on the proposition of constructing the Sprink Lake Trunk Sewer and issuing $18,000 of bonds. C. E. Brainerd, Cy. Clk.

NEW ULM, MINN.—We are informed that W. D. LOVELL, of Minneapolis, was awarded contract for constructing concrete sewers here, at $19,209. Bids were opened Sept. 11.

ST. PAUL, MINN.—A final estimate for the construction of sewer system on Minnehaha, Beech, Margaret, Sixth, Fifth and Earl Sts., has been approved by the assembly and $3,000 appropriated out of general fund to pay the city's share. Cost, $12,000. L. E. Rundlett is Cy. Engr.

LAWRENCE, KAN.—Sealed bids will be received by F. D. Brooks, Cy. Clk., until 5 p. m., Oct. 2 for constructing main sewer on Tennessee and Penn Sts., and for lateral sewers on Maine and other streets, approximately 3,000 ft. 12-in. main sewer, 2,380 ft. 8-in. lateral, 7 manholes and two flush tanks. Holland Wheeler, Cy. Engr.

BUTTE, MONT.—An ordinance has been introduced in City Council calling for the construction of sanitary sewer in Broadway. F. C. Bickenbach is Cy. Engr.

CAPE GIRARDEAU, MO.—Plans and specifications for sewer system here may be seen at office of Engineering News, 220 Broadway, New York City. Bids will be opened Oct. 16, as advertised in Engineering News.

NEVADA, MO.—J. M. Clack, Cy. Engr., informs that the following bids were received Sept. 12 for constructing vitrified pipe sewer: W. W. Cook & Sons, Junction City, Kan., $10,823; McClintock & Sargent, Houston, Tex., $11,698; T. W. Roberts, Independence, Mo., $12,256; W. F. Hale, Clinton, Mo., $13,526; A. G. Robson, Pittsburg, Kan., $14,346. Referred to Committee.

NORTH YAKIMA, WASH.—City Council has instructed Ernest McCulloh, Cy. Engr., to prepare plans and specifications for construction of a sewerage system.

PORTLAND, ORE.—Deputy City Engineer F. J. Bailey is preparing plans and specifications for the erection of main sewer system. Est. cost, $3,000.

WASCO, ORE.—City Council has passed ordinance providing for issuing bonds in sum of $23,000 for purpose of constructing sewer system.

BELLEVILLE, ONT.—An election will be held about Jan. 1 to vote on the construction of sewerage system. C. N. Sulman, Mayor.

GARBAGE DISPOSAL.

The names of parties awarded contracts are printed in capital letters.

BRIDGEPORT, CONN.—Bids are asked by Board of Health, E. F. Blank, Pres., until Oct. 10 for collection of garbage, offal and dead animals for a term of ten years.

LIBERTY, N. Y.—Loomis Sanitarium, Liberty Heights, Liberty, Sullivan County, expects to put in an incinerator at this place for burning rubbish, etc. Ernest C. White is Engr. Sanitarium.

NEW YORK, N. Y.—Bids are asked by John McG. Woodbury, Comr. Street Cleaning, until noon Oct. 3 for labor and materials required for removing snow and ice.

PHILADELPHIA, PA.—Mayor Weaver has rejected all bids for street cleaning and the work will be readvertised. A. Lincoln Acker is Dir. Pub. Wks.

NEW ORLEANS, LA.—This city, according to reports, will receive bids about Nov. 1, for the purchase of a garbage franchise.

STOCKTON, CAL.—There is some talk of organizing a company to build a garbage crematory here.

STREETS AND ROADS.

The names of parties awarded contracts are printed in capital letters.

ROCHESTER, N. H.—It is reported that A. W. Dean, State Engr., has made plans and specifications for the construction of a macadamized road from Charles St., this city, to Somersworth line on highway to Dover, a distance of about four miles.

CONCORD, N. H.—It is stated that bids will be received by A. W. Dean, State Engr., until Sept. 25 for road improvements in the towns of Coldbrook, Merrimack and Sherburne.

BOSTON, MASS.—Bids were received Sept. 14 by Massachusetts Highway Commission for constructing highways and contracts awarded as follows: Boxborough, BRUNO & MILANO, 293 North St., Boston, $4,304; Whately, AMOS D. BRIDGE, Hazardville, Conn., $4,930; Templeton, A. D. BRIDGE, $3,852.

WOBURN, MASS.—City Council has taken preliminary steps to raise money to be expended for highway purposes.

WATERBURY, CONN.—Fairmount St. will be extended. Robt. A. Cairns is Cy. Engr.

NEW YORK, N. Y.—Bids are asked by John F. Ahearn, Boro. Pres., until Sept. 28 for paving various streets with wood blocks or asphalt.

ALBANY, N. Y.—Local press reports state that the city is preparing to spend about $100,000 in the improvements of streets. Isidore Wachsman, Clk. Bd. Contract and Supply.

ALBANY, N. Y.—The Board of Contract and Supply has awarded contracts for street improvements, as follows: Thornton St., E. F. DILLON, $9,070; Quail St., MULDERRY BROS., $19,171; Clinton Ave., M. F. DOLLARD, $40,609; Delaware Ave., NORTH HUDSON CONTRACTING CO., $20,440; Lake Ave., E. F. DILLON, $7,951; Colby St. and Bassett St., MULDERRY BROS., $5,076 and $15,696, respectively.

NEW BRIGHTON (S. I.), N. Y.—Bids are asked by Geo. Cromwell, Boro. Pres., until Oct. 3 for repaving with granite block such roadways in roads north of Richmond turnpike, Clove road, Clove Ave., Fingerboard Road and Sand lane, as may be required from time to time.

WATERTOWN, N. Y.—Common Council has authorized the paving of Mill St. Fred. W. Streeter is Cy. Clk.

NEWBURGH, N. Y.—Contract has not yet been awarded for about 8,100 sq. yds. of pavement on Lander St. Everett Garrison, Cy. Engr.

BUFFALO, N. Y.—Sealed proposals will be received by Francis G. Ward, Comr. Pub. Wks., until 11 a. m., Sept. 29 for the paving of Clare, Bond and Oneida Sts.

PATERSON, N. J.—Bids are asked by Board Chosen Freeholders until Oct. 3 for repairing and repaving certain streets.

SYKESVILLE, MD.—Bids are asked by Road Commissioners until Oct. 2 for grading and macadamizing about one mile of public highway. Jas. C. Hewitt, Chn.

WASHINGTON, D. C.—Bids are asked by District Commissioners until Oct. 14 for laying cement sidewalks in the District of Columbia. (Advertised, Engineering News).

FORT MONROE, VA.—Sealed proposals will be received by Capt. R. H. C. Kelton, C. Q. M., until Sept. 30 for constructing concrete walks and paving service roadways.

BIRMINGHAM, ALA.—An ordinance has been presented to City Council providing for the paving of Fifth Ave. Julian Kendrick is Cy. Engr.

MERIDIAN, MISS.—B. V. White, County Clk., informs us that plans and specifications for new roads have not been adopted as yet, but probably will be Oct. 2. The engineer has not been selected.

NEWTON, MISS.—City will at once arrange for improving the streets, for which $10,000 of bonds have been voted. Address the Mayor.

JACKSON, KY.—H. H. Gibson, Engr., writes us that plans and specifications for macadamizing four streets have been completed and that bids for the work will be received until Sept. 25.

LOUISVILLE, KY.—The Board Public Works has authorized the clerk to advertise for bids for the paving and repairing of 52 different sections of city streets. Cost, $12,000. The Board will also advertise for bids for resurfacing with asphalt sundry streets. Cost, $25,000.

LIMA, O.—Only one bid was received by Board Public Service for paving of South Main St., and the same was above engineer's estimate. The work will be readvertised. O. J. Rose, Clk.

MUSKEGON, MICH.—Bids will be received by P. P. Misner, Cy. Recdr. until Sept. 25 for paving Clinton St., 1,428 sq. yds., with waterproof bituminous macadam, and 1,028 lin. ft. of cement curb and gutters.

CINCINNATI, O.—Sealed bids will be received by Board Public Service until Sept. 26 for the improvement of Dandridge St. by grading, setting curbs and paving roadway with boulders, etc. Geo. F. Holmes, Clk.

CINCINNATI, O.—Bids are asked by Board Public Service until Oct. 10 for grading, setting granite curbs and paving with bitulithic on Pearl St. Geo. F. Holmes, Clk.

CHILLICOTHE, O.—We are informed that W. H. RINGWALD, of Chillicothe, was awarded contracts for paving with brick on Main and Second Sts., at $7,938 and $8,340 respectively. Bids were opened by Board Public Service on Sept. 12. H. M. Redd, Cy. Engr.

CINCINNATI, O.—A contract for paving on Sachem St., has been awarded to the F. H. KIRCHNER CONSTRUCTION CO., at their bid of $8,613, by the Board Public Service.

AKRON, O.—City Council has passed a resolution declaring it necessary to pave Lods St. J. W. Payne is Cy. Engr.

ROYALTON, O.—Citizens of Royalton Township have voted in favor of issuing $13,-125 of bonds for the purpose of improving highways.

TOLEDO, O.—The contract for repaving Maplewood Ave., Bancroft and Virginia Sts., has been awarded to BARBER ASPHALT PAVING CO., for $10,489.

SULLIVAN, IND.—County Commissioners have let contract to CURRY & WOODS for the construction of the W. Z. Payne Road, for $31,680.

SOUTH BEND, IND.—Board Public Works has adopted declaratory resolutions in favor of paving with brick on Rex St. A. J. Hammond is Cy. Engr.

CROWNPOINT, IND.—Bids are asked by County Commissioners until Oct. 7 for construction of an 11-mile system of gravel roads in Hobart Township; also for a two-mile gravel road on county line. Samuel A. Love, Chn.

MUSKEGON, MICH.—Common Council has ordered the paving of Fourth St. with waterproof bituminous macadam, and Concord St. with crushed stone. Address City Recorder.

CHAMPAIGN, ILL.—Bids are asked by Board Local Improvements until 2 p. m. Sept. 22 for construction of brick pavement on Randolph St. George C. Fairclo, Cy. Engr. (Advertised, Engineering News.)

WAUKEGAN, ILL. — Ordinances were passed by Council for grading, curbing and paving sundry streets and constructing cement sidewalks. Wm. S. Bullock, Pres. Bd. Local Imp.

HINSDALE, ILL.—The Board Local Improvements contemplates about 1¼ miles of brick and macadam pavement on Washington St. Lester C. Childs, Secy.

PAXTON, ILL.—ED. F. SHEEHAN, of Lafayette, Ind., was awarded contract at $26,-700, for paving of Pells St.

WAUKEGAN, ILL.—We are informed that the contracts for paving Utica and Hickory Sts. with granite top macadam, as advertised in Engineering News, have been let to JAS. CAPE & SONS, of Racine, Wis., at a total bid of $24,371. M. R. Miller, Supt. Pub. Wks.

PEORIA, ILL.—The Board Local Improvements has awarded contracts to the ASPHALT PAVING CO., for resurfacing Perry and High Sts. and Crescent Ave., at $6,323, $5,138 and $1,447 respectively.

SUPERIOR, WIS.—North Seventh St. will be paved in the near future, according to local press reports.

MADISON, WIS.—The BARBER ASPHALT PAVING CO., of Chicago, Ill., has been awarded contract for paving streets around the capital park. Cost, $44,409.

STOUGHTON, WIS.—Bids are asked by W. H. Linderud, Cy. Clk., until Oct. 7 for the improvement of Main St.

MINNEAPOLIS, MINN.—Several Central Ave. business men are opposed to the quality of creosote blocks now being laid on that street and have applied for an injunction restraining City Engineer Rinker from continuing the work. The men want Georgia pine used instead of northern pine, claiming that the former will stand the traffic better.

ST. PAUL, MINN. — Fielding & Shepley were lowest bidders, at $8,500, for paving of Fillmore Ave. with sandstone.

ST. PAUL, MINN.—Board Public Works has received the following estimates from city engineer: Grading, filling and leveling Carroll St., $5,200; grading Sylvan St., $4,500; grading Abell St., $1,188.

ATCHISON, KAN.—Fred Giddings, Cy. Engr., informs us that all bids received Sept. 4 for paving were rejected as being too high. The work will be readvertised.

IOLA, KAN.—City Council has passed an ordinance providing for the paving of South Washington St. Geo. Myers is Cy. Engr.

TOPEKA, KAN.—Jas. F. McCabe, Cy. Engr., has prepared an estimate of $63,533 on the cost of paving Kansas Ave. with brick.

ST. LOUIS, MO.—Bids are asked by Maj. Thos. Cruse, D. Q. M., until Sept. 30 for repairing road to Mound City (Ill.) National Cemetery.

MARYSVILLE, MO.—City Council has let contract for paving to J. C. LIKES, of Des Moines, Ia., for $50,818.

EL PASO, TEX.—Arrangements will shortly be made for paving streets with brick, for which $175,000 has been voted. Address the Mayor.

HOUSTON, TEX.—Bids are asked by County Commissioners until Sept. 25 for construction of Westheimer Road, requiring of 19,000 cu. yds. grading; 16,000 cu. yds. drainage ditching; 15,000 B. M. bridging. John B. Ashe, County Audr.

SHERMAN, TEX.—Chas. E. Haydon, Cy. Engr., writes us that bids will soon be asked for paving portions of Crockett, Travis, Houston and Mulberry Sts. with brick. Approximate quantities: 14,469 sq. yds. paving; 3,997 lin. ft. stone curbing; 417 lin. ft. wood retaining curb.

DALLAS, TEX.—The city is considering the paving of Ervay St. with asphalt or bitulithic, and Second Ave. with macadam. E. L. Dalton is Cy. Engr.

READERS' WANTS If any one is in the market for any engineering or contracting supplies, the first thing to do is to refer to our advertising pages, but if the buyer cannot find what he wants we particularly ask that he notify us at once and we will inform the proper parties without cost to the inquirer. A copy of **ENGINEERING NEWS BUYERS' GUIDE** will be mailed to any one upon application. This paper will always appreciate any news notes regarding public, or important private work, and will be pleased to receive detailed items. Requests to hold names will be complied with in every case. **Do not fail to write our advertisers or us.**

CONCRETE PILES.—Syracuse, N. Y.—Paul C. Nugent, 417 University Place, would like to hear from manufacturers of concrete piles.

GARBAGE DISPOSAL PLANT.—Lexington, Ky.—B. A. Graves, 300 East Main St., desires information pertaining to garbage disposal plants.

RESPIRATORS, LAMPS.—St. Petersburg, Russia.—Anatole J. Fomilyant, 17 Gogol St., writes that he has an order for respirators and mining lamps. The respirators must be capable of giving air (oxygen) to workmen in coal mines, and the lamps must burn without air. He further states that all apparatus manufactured in Europe is entirely unsatisfactory.

WATER-WHEEL, BOILER.—Fredericksburg, Va.—The Rappahannock Electric Light & Power Co., Inc., writes us that it is in the market for a water-wheel and a 10-HP. boiler.

CRUSHING ROLLS. — Nuneaton, Eng. — John H. Veasey, The Villas, King Edward Road, informs us that he desires to communicate with firms manufacturing rolls for crushing gold quartz by the dry process.

DERRICK.—Bucks Harbor, Me.—H. J. Wild, Asst. to Supt. of Construction, United States Life-Saving Service, informs us that it wishes to rent a 25-ft. boom, 5 to 7-tons capacity, hand power derrick complete, with guys, rigging, chain and lifting dogs. It is to be used at Crow Island for three weeks.

DENVER, COLO.—It is reported that bids are now being received by Board Public Works for macadamizing of West Colfax Ave. Est. cost, $18,600.

SALT LAKE CITY, UTAH.—Geo. W. Riter, Cy. Engr., writes us in reference to the paving of State St. that action has been deferred by City Council pending the enlargement of this paving district.

SALT LAKE CITY, UTAH.—The PALMER-TATE CO. has been awarded contract for paving Brigham St. by Board Public Works, its bid being $44,755 for Utah rock asphalt.

BOISE, IDAHO.—Jas. Stephenson, State Engr., writes us that the following bids were received Sept. 11 by State Road Commission on Atlanta Road: Wichita (Kan.) Construction Co., bridge over North Fork, 2 54-ft. spans and approaches (Pratt trusses of Wichita design), $1,700; bridge over Middle Fork, 1 74-ft. span, 1 35-ft. span (Pratt trusses of Wichita design), $1,650; both bridges (Pratt combination), $3,250; MacDonald & Abbott, Boise, 27 miles mountain road and bridges of Wichita design, $28,880; Darlington design, $28,380; Chas. Storey, Boise, 27 miles road and bridges of Darlington design, $26,400. Private bid on Darlington bridges alone, $2,250.

VANCOUVER, B. C.—Contract for paving on Hastings St. with asphalt has been let to the INDEPENDENT ASPHALT PAVING CO., of Seattle, Wash., for $20,271.

MANUFACTURING PLANTS.

The names of parties awarded contracts are printed in capital letters.

TURNER, ME.—Fire destroyed the flannel mill of Francis F. T. Faulkner. Loss, about $45,000.

MANCHESTER, VT.—The chair factory of the Hadley Mfg. Co. was destroyed by fire; loss, $35,000.

AVON, CONN.—Four buildings of the Climax Fuse Co. here were destroyed by fire, the loss being estimated at $100,000.

NEW YORK, N. Y.—Schickel & Ditmar, Archs., 111 Fifth Ave., have plans completed for factory to be erected at 134 East 18th St., for J. S. Huyler, 863 Broadway. Brick and stone, fireproof, 10 stories, 50 × 100 ft.

NEW YORK, N. Y.—Meredith Leitch, 11 Broadway, is considering engines, generators, motors and electric wiring for new factory to be erected at 447 West 14th St., for the American Can Co. J. B. Baker, 156 Fifth Ave., is Arch.

NEW YORK, N. Y.—C. Hellmuth, 46 East Houston St., wants figures on a factory to be erected at 154 West 18th St. Engines, generators, steam piping, etc.

TROY, N. Y.—The John Stanton Brewing Co., 1428 Fifth Ave., Troy, is having plans prepared for an addition to its brewing plant, as mentioned in last issue. A new building, 75 × 130 ft., seven stories, will be erected. The equipment will include a 200-ton refrigerating machine, room for storage and preparation of yeast, with walls of white enamel brick, a distilling and filtration plant for water, wash-house, and racking room. The vats for storage will be glass enamelled steel tanks and practically all floors will be of asphalt. Machinery will be run by electricity and the capacity of the entire plant will be about 2,000 bbls. per day. Cost, $250,000. Demers & Campaigne, Ilion Bldg., Archs.

BUFFALO, N. Y.—The New York State Steel Co. has incorporated with $1,000,000 capital stock. The company has purchased a site of 25 acres in South Buffalo upon which to erect several large brick, concrete and steel buildings. Spencer Kellogg is Pres.

HOBOKEN, N. J.—Roos & Booroem, Archs., 47 Cedar St., New York City, are taking figures on a chemical plant to be erected on Grand St., Hoboken, for Reade Mfg. Co., 546 West 22d St., New York City. Brick and stone, 4 stories, 80 × 90 ft.

MOUNTAIN VIEW, N. J.—The D. L. & W. R. R. Co. has made survey for a large coal storage plant here. A. Lincoln Rush is Ch. Engr., Hoboken.

NEWARK, N. J.—J. O. Arderg, care owner, has charge of factory building for A. T. Steffans to be erected at 262 Morris Ave., Newark. A. Peter, 238 Washington St., Newark, is Arch. Buildings will be of brick and consist of a foundry, 3 stories, 50 × 50 ft.; japan shop, 4 stories, 50 × 75 ft.; forge shop, 2 stories, 25 × 30 ft.

PITTSBURG, PA.—Fire in the plant of Iron City Brewing Co., 35th St., spread to McCullough-Dalzell Crucible Co.'s plant and destroyed that building. Loss, $75,000.

LINFIELD, PA.—J. V. Poley, Arch., 160 Second Ave., Royersford, Pa., has prepared plans for three-story drying-house and grain storage building, 30 × 60 ft., for the Angelo Myers Distillery, Linfield. Address J. G. Kinsey, Supt.

SCRANTON, PA.—FRANK M. MOYER, 1101 Penn Ave., has been awarded contract for plaster manufacturing plant for the Youngstown Wall Plaster Co. Cost, $25,000.

WILKESBARRE, PA.—Welsh & Sturdevant, Archs., are preparing plans for an automobile factory.

BALTIMORE, MD.—Morris & Clifford, Archs., have been commissioned by Lewis Elmer & Sons to prepare plans for a group of three factory buildings, at Central Ave. and Bank St. Will include a five-story vinegar distillery building, 50 × 75 ft., boiler-house, 20 × 25 ft., and two-story warehouse, 35 × 90 ft. Cost, about $60,000.

BALTIMORE, MD.—A company has been organized, with Olin Bryan, Union Trust Bldg., as President, to manufacture a sounding machine.

PETERSBURG, VA.—A company has been organized here to erect an ice factory. The capital is limited to $50,000.

NEWPORT NEWS, VA.—The Citizens' Railway, Light & Power Co. will erect an ice factory here.

FAYETTEVILLE, N. C.—Reports state that the Atlantic Coast Line R. R. Co. will build repair shops. E. B. Pleasants, of Wilmington, is Ch. Engr.

STATESVILLE, N. C.—A wagon factory will be erected here. W. R. Stronpe is at the head of the enterprise.

BEAUFORT, S. C.—R. A. Long will erect an addition, 51 × 112 ft., to ice plant and install 20-ton ice machinery. Cost, about $30,000.

MANSFIELD, GA.—R. S. Franklin, of Mansfield, and S. Allen, of Monticello, have organized a $20,000 company to erect a guano factory here.

ATLANTA, GA.—The Atlanta Tanning & Manufacturing Co.'s plant was burned; loss, $25,000.

WELAKA, FLA.—W. M. Williams, of Welaka, and H. D. Williams, of 209 Markly St., Jacksonville, will erect six-ton ice plant. No architect nor engineer has yet been engaged.

CLANTON, ALA.—J. P. Van Derveer, P. O. Box 275, is arranging for the installation of ice-making plant and wants addresses of manufacturers of ice machinery.

MOBILE, ALA.—The McDonald Lumber Co. will erect building, 180 × 40 ft., mill construction, and equip as saw mill, replacing plant recently burned. Prices on machinery and equipment are wanted.

JACKSON, MISS.—Jackson Woolen Mills will rebuild at once its plant reported last week as having been destroyed by fire, at a loss of $100,000. Contracts for electric light plant and elevators are still open.

HATTIESBURG, MISS.—W. B. Seymour will establish locomotive works here.

WILSON, LA.—R. E. Thompson will erect an ice factory here.

KNOXVILLE, TENN.—Work will begin at an early date on foundry at plant of W. J. Oliver Mfg. Co. Mr. Oliver also states that he is considering the erection of plant which will build street cars and estimates that between $100,000 and $150,000 will be invested.

MEMPHIS, TENN.—The Standard Box Co. will increase its capital from $10,000 to $50,000 for the purpose of erecting new factory.

KNOXVILLE, TENN.—The Knoxville Wood Fiber & Plaster Co. will rebuild its plant, which was damaged by fire. Arthur G. Mann is Pres.

KNOXVILLE, TENN.—A plant will be established here to manufacture sideboards and hat racks. H. L. Roberson will be president and manager.

PADUCAH, KY.—A $250,000 wheel factory is contemplated. Secretary of the Commercial Club can give information.

CINCINNATI, O.—Edw. H. [illegible], Pickering Bldg., has plans for reinforcing floors of J. B. Morris Foundry Co., Court and Harriet Sts.

TOLEDO, O.—Geo. S. Mills, Arch., Gardner Bldg., has completed plans for new plant the Ohio Dairy Co., Adams St., proposes erecting on Erie St.

HUDSON, MICH.—Harry J. [illegible], Arch., 54 Buhl Block, Detroit, has prepared plans for two-story factory building, 1[illegible] × 84 ft., for Hudson Mfg. Co. Cost, $12,[illegible]

DOWNERS GROVE, ILL.—The Dicke Tool Co. has had plans prepared for factory building to be erected for themselves in place of old building recently destroyed by fire.

ARGENTINE, KAN.—The Atchison, Topeka & Santa Fe R. R. Co. will erect a large artificial ice plant here. Plans and specifications have been drawn and accepted. J. E. Hurley is Gen. Mgr., Topeka. Cost, $200,000.

OMAHA, NEB.—J. E. Dietri[illegible], Arch., 538 Ramge Block, has plans and bids will be received until Sept. 25 for one-story granite works, 65 × 100 ft., for the Great Western Granite Co. Cost, $20,000.

ST. JOSEPH, MO.—The factory of the Hax-Smith Furniture Co. was destroyed by fire; loss, $200,000.

ROCK CREEK, ARK.—J. A. Potts and F. A. Kidder have purchased 2,300 acres of pine lands near here and will erect saw mill with a capacity of 40,000 ft. daily.

BLACK ROCK, ARK.—The Black Rock Gin Co., recently incorporated, will erect gin-house, 20 × 42 ft., seed-house, 18 × 24 ft., and cotton-house, 20 × 30 ft. A corn mill will also be operated. J. O. Lake, Arch. The installation of an electric light plant is being considered, and prices on this part of the work are wanted.

CLARKSVILLE, ARK.—The Clarksville Steam Bakery Co. has been incorporated with $5,000 capital stock, to operate bakery. A two-story building, 50 × 70 ft., will be erected and equipped for a daily capacity of 10,000 loaves of bread. John N. Sarber, Jr., is Pres.

TROTTI, TEX.—According to the Pink Sheet Daily Bulletin, of Chattanooga, Tenn., the Hughes & Wilson Lumber Co. will erect a saw mill here.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

DRY DOCK.—Hancock, Mich.—W. S. Cleaves, Hancock, is said to contemplate erecting a dry dock next season.

WHARVES. — New Orleans, La. — Dock Board, according to reports, is to expend $500,000 for erecting new wharves.

DREDGING.—Ottawa, Ont.—Contract for dredging harbor at St. John, N. B., is reported to have been let to E. S. MAYES, St. John.

DREDGING.—Seattle, Wash. — Bids are asked until noon Oct. 12 for dredging Grays Harbor and Chehalis River, Wash. Lt. F. A. Pope, U. S. Engrs.

DOCK.—Marquette, Mich.—Duluth, South Shore & Atlantic Ry., W. F. Fitch, Pres. and Gen. Mgr., Marquette, according to reports, is to erect a $1,000,000 ore dock here.

BOILER.—New York, N. Y.—Bids are asked until noon Sept. 25 for furnishing at New York depot of quartermaster's department a 40-HP. boiler. Major G. S. Bingham, Depot Q. M.

REHANDLING MACHINE.—Philadelphia, Pa.—Bids are asked until noon Oct. 23 for constructing a rehandling machine for dredged material. Capt. C. A. F. Flagler, U. S. Engrs. (Advertised, Engineering News.)

STEEL BARS.—Glendive, Mont.—We are advised that no bids for steel to be furnished the Fort Buford irrigation project were received, proposals for which were to have been opened Aug. 21.

SUBWAY.—Reading, Pa.—Bids are asked by Chas. C. Weltmer, Cy. Clk., until 3 p. m., Sept. 28 for constructing subway under P. & R. Ry. tracks at Spring St. Elmer H. Beard, Cy. Engr. (Advertised, Engineering News.)

CRANE.—Washington, D. C. — Bids are asked by Bureau Supplies and Accounts until 10 a. m., Oct. 17 for furnishing 10 ton locomotive crane at navy yard, Boston, Mass., under schedule 144. H. T. B. Harris, Paym. Gen., U. S. N.

PIER.—New York, N. Y.—Bids are asked by Maurice Featherson, Comr. Docks, until 2 p. m., Sept. 29, for furnishing all the labor and materials required for building a new pier, with appurtenances, at the foot of East 120th St., Harlem River.

DREDGING. — Oakland, Cal. — American Dredging Co., at 10½ cts. per cu. yd., was low bidder for dredging Oakland Harbor, bids for doing which were opened Sept. 5 at U. S. Engineers' Office, San Francisco, Cal. Contract amounts to about $175,000.

DREDGING.—Columbus, O.—State Board of Public Works, W. H. McClintock, Secy., is asking bids until Oct. 3 for dredging and widening about 30 miles of the Ohio Canal, extending south from Cleveland. About 7,000 cu. yds. are to be excavated per mile.

AMMUNITION HOISTS.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts until 10 a. m. Oct. 10 for a quantity of elevating, rammer and ammunition hoist electrical equipments, under schedule 143. H. T. B. Harris, Paym. Gen., U. S. N.

FLAT CARS, STEAM SHOVELS, ETC.—Washington, D. C.—Bids are asked by D. W. Ross, General Purchasing Officer, Isthmian Canal Commission, until 10.30 a. m., Oct. 4, for furnishing 800 wood or steel flat cars, 19 70-ton steam shovels, 6 60-ton extra rapid unloaders and 12 unloading plows. (Advertised, Engineering News.)

DRAINAGE DITCH.—Storm Lake, Ia.—Contract for a drainage ditch to cost about $25,000 has been let to W. F. COOK, Des Moines, Ia. The contract for excavation of Saylor ditch, 33,000 cu. yds., is also stated to have been let to Mr. Cook at $7,887.

CONDUIT.—Gowanda, N. Y.—Bids are asked by State Commission in Lunacy, T. E. McGarr, Secy., Albany, N. Y., until 3 p. m., Sept. 27, for construction of conduit from power-house to present buildings at the Gowanda State Homeopathic Hospital, Gowanda.

BANK PROTECTION.—Ottumwa, Ia.—Bids are asked at Clerk's office until 8 p. m., Sept. 25, for furnishing material and constructing bank protection along Des Moines River. Work requires 4,000 cu. yds. rock and 2,000 cu. yds. willows after binding. C. R. Allen, Cy. Engr.

DREDGING.—New York, N. Y.—Bids are asked until noon Oct. 3 for dredging in Raritan Bay, Keyport Harbor, Mattawan Creek, Elizabeth River, and Shoal Harbor and Compton Creek, N. J. Col. W. R. Livermore, U. S. Engrs. (Advertised, Engineering News.)

WELL DRILLS, ETC.—Washington, D. C. Bids are asked by D. W. Ross, General Purchasing Officer, Isthmian Canal Commission, until 10.30 a. m., Sept. 30, for furnishing well drills and appurtenances, magnesia boiler lagging, spiral boiler springs, bottles, work vehicles and harness.

DIKES.—Los Angeles, Cal.—Contract for constructing dikes for Yuma valley irrigation project has been let to MILLER & PEASLEY, 221 Wilcox Bldg., Los Angeles, for $96,325. Bids were received Aug. 17 by U. S. Reclamation Service, and were given under Contract Prices in our issue of Aug. 31.

DAM.—Cairo, N. Y.—C. E. Hewitt & Co., Park Row Bldg., New York, have closed a contract with the AMBURSEN HYDRAULIC CONSTRUCTION CO., of Boston, Mass., for a concrete-steel dam, 27 ft. high and 210 ft. long, on the Catskill Creek, near Cairo. The dam is to be completed by Dec. 1.

HOIST.—New York, N. Y.—Following bids were received Sept. 16 by Bureau Yards and Docks, Washington, D. C., for one 15-ton auxiliary hoist for the Navy Yard, New York: R. G. Packard Co., 130 Pearl St., New York, $15,519; The Brown Hoisting Machinery Co., corner St. Clair and Belden Sts., Cleveland, O., $18,762.

LIGHT HOUSE.—Tompkinsville, N. Y.—Following bids were received Sept. 14 at office of Engineer Third Light House District for furnishing all labor and material necessary for erection of Throgs Neck Light House, Fort Schuyler, N. Y.: E. C. Moore, New York, N. Y., $11,900; New Jersey Foundry & Machine Co., New York, N. Y., $7,490.

CRANE AND TRESTLE.—Washington, D. C.—Following bids were received Sept. 12 at the Navy Department, for one balanced cantilever crane and trestle for delivery and erection at the navy yard, Mare Island, Cal.: Interstate Engineering Co., $114,148 and $87,060; Brown Hoisting Machine Co., $90,000; Penn Bridge Co., $99,267; Wellman-Seaver-Morgan Co., $83,975.

PIER.—Boston, Mass.—Bureau Yards and Docks, M. T. Endicott, Ch., Washington, D. C., has rejected all bids received Sept. 9 for constructing pier at Boston Navy Yard, and is calling for new bids to be opened Oct. 7. The est. cost of the pier is $23,000, and the necessary dredging will cost $20,000. The bids received Sept. 9 were given under Contract Prices in our issue of Sept. 14.

CEMENT, SAND, BOILER, ETC.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts until 10 a. m. Oct. 3 for furnishing a quantity of naval supplies, among which are the following: Schedule 132. Portland cement, sand, hose, tube cleaner and expander, water tube boiler, etc.; schedule 134, battery cells, steel conduit wire, electrical supplies, Portland cement, etc.; schedule 135, Portland cement, sand, pneumatic hammers, band saws, etc. H. T. B. Harris, Paym. Gen., U. S. N.

CONCRETE DAM.—Dayton, O.—Following bid. were received Sept. 12 by this city, F. M. Turner, Cy. Engr., for building concrete dam across Miami River, the contract being awarded to GEO. R. HIRELY, Dayton, O. Bids were taken on two propositions, (1) including piers and requiring 1,300 cu. yds. concrete, (2) without piers requiring 1,100 cu. yds. concrete: Geo. R. Hirely, (1) $7,800, (2) $6,204; Paul & Kershner, (1) $7,800, (2) $6,600; Christ Poock, (1) $10,270, (2) $8,100; Gabler & Deeter, (1) $11,700, (2) $11,000; David A. Onkst, (1) $11,960.

WHARF WORK.—San Francisco, Cal.—Following bids were received Aug. 31 by Harbor Commissioners for widening Greenwich St. wharf No. 2: Robert Wakefield, $23,877; Pacific Construction Co., $24,253; Hyde, Harjes & Co., $25,000; Atlantic, Gulf & Pacific Co., $25,740; Thompson Bridge Co., $25,400; James A. McMahon, $25,396; Cotton Brothers & Co., $25,650; City Street Improvement Co., $25,982; Healey-Tibbitts Construction Co., $24,367. The only bid for furnishing the cement was sent in by the Holmes Lime Co. The bid was $21.50 per ton.

U. S. POSSESSIONS AND CUBA.

The names of parties awarded contracts are printed in capital letters.

RAILWAYS.—Philippines.—We are informed that the Governor-General of the Philippines cables that the opening of bids for the government railway will be on Dec. 15, not Dec. 1, as reported recently. Items regarding this work have already appeared in this paper.

CEMENT, BRICK, ETC.—Porto Rico.—Bids are asked by Bureau Supplies and Accounts, H. T. B. Harris, Paym. Gen. U. S. N., Washington, D. C., until 10 a. m., Oct. 17, for furnishing at naval station San Juan, P. R., under schedule 139, a quantity of brick, sand, Portland cement, pine and oak.

WATER SYSTEM, SEWERS.—Philippines.—Bids are asked by G. S. Lane, Secy. Municipal Board, Manila, Philippine Islands, until noon Jan. 2, 1906, for furnishing material and constructing gravity water supply for Manila. J. F. Case is Ch. Engr., Dept. Sewer and Water-Works Construction. Bids are likewise asked until noon Jan. 12, 1906, for the construction of a system of sewers and appurtenances. The undertakings will cost about $5,000,000. The gravity water supply contract will preferably be let as a whole, but if advantageous to the city of Manila may be divided as follows into five separate contracts: Dam and head-works, furnishing steel plates and rivets, manufacturing and laying steel pipe, tunnel and conduit, reservoir and gate-house. There is to be constructed a masonry dam across the Mariquina River, about three miles from the town of Montalbon, Province of Rizal, and about 16 miles northeast of Manila. It is to be built of rubble concrete masonry resting on the solid rock, and will have a length of 400 ft. on the crest and a height above the river bed of about 75 ft. On the south side of the overflow a gate chamber is to be constructed serving an inlet well, sluice way and supply pipe; the two last named to extend through the dam. Owing to the heavy summer rainfall, most of the work will have to be done on the dam in the dry season. In building the dam, 3,500 cu. yds. of earth and loose rock excavation is called for and 12,000 cu. yds. of solid rock excavation. 23,000 cu. yds. of rubble concrete masonry will be used in the dam. All iron work required in the dam is to be furnished by the city of Manila. A steel-riveted pipe 10.6 miles long, 42-in. diameter, is to connect the dam with the reservoir. It is to be cylindrical and composed of large and small courses, the smaller fitting at each end into the larger. The plates used in its construction must be 60 ins. or more in width and must be transported to Manila and the pipe manufactured there. 155,000 lbs. of steel rivets will be used. After the pipe has been made up in courses and tested it must be coated with a mixture of pure-grade refined asphaltum and natural liquid asphaltum of the "Maltha" grade. In passing under the bed of the Mariquina River, near San Mateo, a cast-iron pipe 450 ft. long and 36 ins. in diameter will be required. This must be laid during the time of extreme low water. Between the Mariquina River and the reservoir there will be constructed an aqueduct in tunnel and open cut. The rock through which it must pass is of the soft variety, known locally as adobe stone, and not much difficulty is anticipated. The excavation will consist of 20,000 cu. yds. of earth and rock. 3,500 cu. yds. of concrete will be necessary for lining the tunnel. A reservoir and gate-house are to be built about 1 mile east of the present deposit and 1½ miles outside the limits of the city, and the same distance from water transportation at San Juan River. The work consists of 29,000 cu. yds. of earth excavation and 235,000 of rock. About 2,000 cu. yds. of concrete will be used. It is estimated that over 100,000 barrels of Portland cement will be required for the work. It is to be noted that this gravity water supply work will involve later an extensive general distribution system for the city of Manila, for which plans are now being prepared. Work is to be commenced within three months of execution of contract, and is to be completed by July 1, 1908. The work on the new sewer system must be commenced within three months after the execution of the contract and completed before July 1, 1909. The contract will be let only as a whole. The total length of the sewers is to be approximately 52 miles, of which 7.5 miles will be of brick and concrete sewer, ranging from 4.75 ft. in diameter to 2 × 3 ft. egg-shaped and laid at depths of from 12 to 20 ft. below the surface; and 43 miles of pipe sewers, from 8 to 24 ins. in diameter, laid at depths of from 5 to 18 ft. In addition there will be one 42-in. cast-iron outfall pipe 6,500 ft. long laid below the bed of the harbor on pile foundation. Also one double line of 24 ft. flexible joint cast-iron pipe 650 ft. in length, to be used in a siphon crossing the Pasig River. 200,000 ft. of terra-cotta and about 5,000 tons of large size cast-iron pipe will be used in the complete work. Plans and specifications may be seen at office of Engineering News, 220 Broadway, New York. (Advertised, Engineering News.)

CONTRACT PRICES.

The names of parties awarded contracts are printed in capital letters.

*CONCRETE CONDUIT, ETC.—Richmond, Va.—Bids were received Sept. 5 by Chas. E. Bolling, Supt. W.-W., E. E. Davis, Asst. Supt., for constructing steel reinforced concrete conduit about one mile long and 5 ft. diameter and pipe connections for same and for furnishing 36-in. and 42-in. cast iron pipe and laying same, all bids being rejected Sept. 14. For furnishing pipe the following bids were received: (1) being Warren Foundry & Machine Co., New York; (2) Hunter B. Frischhorn, Richmond, Va.: 42-in. cast iron pipe, 1,131 tons, (1) $27, (2) $31.20; 36-in. cast iron pipe, 896 tons, (1) $27.50, (2) $31.20; 30-in. cast iron pipe., 5 tons, (1) $27.50, (2) $31.20; specials, 3,000 lbs., (1) $52 per ton, (2) 3¼ cts. per lb. For excavation and laying pipe the Crouse Construction Co., Perth Amboy, N. J., submitted the following bid: Mud clay and gravel excavation for c. i. pipe, $1.90 per cu. yd.; loose rock, $2.10 per cu. yd.; solid rock, $2.80 per cu. yd.; concrete masonry for foundation for pipe, $7.15 per cu. yd.; laying and calking 30-in. c. i. pipe, $1.20 per lin. ft.; laying and calking 36-in. c. i. pipe, $1.20 per lin. ft.; laying and calking 42-in. pipe, $2.25 per lin. ft. For constructing concrete conduit, etc., following bids were received: (1) Winston & Co., Richmond, Va.; (2) Crouse Construction Co., Perth Amboy, N. J.; (3) Bell Engineering & Construction Co., New York; (4) Lock Joint Pipe Co., New York:

CONCRETE SEWERS.—St. Joseph, Mo.—Bids were received Sept. 1 by Board Public Works, Wm. H. Floyd, Jr., Cy. Engr., for constructing South St. Joseph main sewer and Wyatt Park sewer; the price per lin. ft., including excavation and back fill, and repaving of two or three blocks with brick. The excavation for the main sewer is probably gumbo blue clay and possibly quicksand, with no rock. The contract was let to RACKLIFFE & GIBSON, 619 Edmond St., St. Joseph, at the following bid: Rock excavation, $2; concrete, $4; manholes, $10; lumber, gratis (arbitrary quantities were chosen for these items); 8 ft. diameter reinforced concrete sewer, 11 ft. deep trench, 5,900 lin. ft., $10.31; 5 ft. diameter reinforced concrete sewer, 11 ft. deep trench, 1,400 lin. ft., $5.10; 4½ ft. concrete block sewer, 11 ft. deep trench, 850 lin. ft., $4.25; 4 ft. concrete block sewer, 11 ft. deep trench, 550 lin. ft., $4.25; 3½ ft. concrete block sewer, 11 ft. deep trench, 750 lin. ft., $3.40; 3 ft. concrete block sewer, 11 ft. deep trench, 550 lin. ft., $3.40. The 8 ft. and 5 ft. sizes are to be reinforced concrete, Parmley system; the other sizes are to be reinforced concrete block, Parmley system. The contract for constructing Wyatt Park extension sewer was let to G. O. SKILBRED, 1112 Olive St., St. Joseph, Mo., at the following bid; the average depth of the sewer is 12 ft., and material for excavation consists of clay and sand, wet: Rock excavation, 1 ct.; concrete, $6; manholes, $26; lumber, $30 (arbitrary quantities); 4 ft. concrete block sewer, 1,024 lin. ft., $3.65; 3½ ft. concrete block sewer, 684 lin. ft., $3.15; 3 ft. concrete block sewer, 1,000 lin. ft., $2.84. These sewers are to be reinforced concrete block, Parmley system.

*EXCAVATION.—Chattanooga, Tenn.—Bids were received Sept. 15 by Major H. C. Newcomer, U. S. Engrs., for excavating portion of canal trunk of Colbert Shoals Canals, about $320,000 being applicable to the work; about $120,000 is now available and contracts for the additional amount of $200,000 have been authorized. Bids were received on four sections (1) stations 10 to 60, 278,000 cu. yds., (2) Stations 60 to 100, 300,000 cu. yds., (3) Stations 110 to 160, 391,000 cu. yds., (4) Stations 160 to 210, 465,000, (5) totals, and bids were as follows: J. G. White & Co., New York, (1), (2), (3), (4) 30 cts., (5) $418,200, all or none; Christie & Lowe, Chicago, Ill., (1), (2), (3), (4) 31 cts., (5) $432,140, all subject to appropriations; Roach & Stansell, Memphis, Tenn., (1), (2), (3), (4) 27.45 cts., (5) $382,653, all or none; Shippey & Outzen, Memphis, Tenn., (1), (2), (3), (4) 17.49 cts., (5) $243,811, all or none; Redmond & Gabbett, Atlanta, Ga., (1), (2) 24 cts., (3) 25 cts., (4) 27 cts., (5) $352,420, any or all; North Ala. Construction Co., Florence, Ala., (1), (2), (3), (4) 24.24 cts., (5) $337,906, all or none; Talley-Bates Construction Co., Memphis, Tenn., (1), (2), (3), (4) 22 cts., (5) $306,680, any or all; Sheridan-Kirk Cont. Co., Cincinnati, O., (1) 35 cts., (2) 33 cts., (3), (4) 29 cts., (5) $430,540, all or none.

Bids received at Richmond, Va., Sept. 5, 1905, by Chas. E. Bolling, Supt. W. W., for Constructing Steel Reinforced Concrete Conduit.

Items.	Quantities.	(1)	(2)	(3)	(4)
5-ft. concrete conduit	2,417 cu. yds.	$28.00	$17.00	$19.52	$28.00
4-ft. cast-iron pipe	55 lin. ft.	25.00	14.25	16.00	18.00
2½-ft. cast-iron pipe	330 " "	15.00	6.75	9.50	12.00
8-in. blow-off valves, set	2	100.00	55.00	80.00	60.00
30-in. valve, set	1	300.00	260.00	300.00	400.00
24-in. valve, set	1	250.00	220.00	200.00	250.00
Concrete in foundations	300 cu. yds.	10.00	6.15	6.95	10.00
Excavating, furnishing bonds, ties, etc., caulking 36-in. pipe	70 lin. ft.	10.00	8.10	11.15	6.00
Rip-rap	2,643 cu. yds.	3.00	1.60	2.30	2.50

*DREDGING.—New York, N. Y.—Following bids, per cu. yd., scow measurement, were received Sept. 9 by Col. W. R. Livermore, U. S. Engrs., for dredging in Harlem River, N. Y.: International Contracting Co., New York, 44 8-10 cts.; Wm. H. Beard Dredging Co., 21 State St., New York, 39 cts.; R. G. Packard Co., 130 Pearl St., New York, 42 cts.; Seely-Taylor Co., 78 Broad St., New York, 25 8-10 cts.; Morris & Cumings Dredging Co., 17 State St., New York, 37½ cts. 116,279 cu. yds. can be dredged at price of lowest bid. For dredging in Bronx River, N. Y., the following bid was received: John & Joseph McSpirit, 118 Wayne St., Jersey City, N. J., 69 cts. 14,492 cu. yds. could be dredged at this price. For dredging in Brown's Creek, N. Y., Leek & Field, Islip, N. Y., bid 26 cts. per cu. yd., and under lowest bid 12,500 cu. yds. could be dredged.

*CONCRETE CONDUIT.—Toledo, O.—Bids were received Sept. 7 by Board Public Service for constructing Secs. 1 and 2 of the filtered water conduit, contracts Nos. 2 and 3 for the improvement of water supply. The conduit will be 6 ft. internal diameter, built of concrete, and the bids were received for construction in open cut and tunnel. Bids were received separately on the two contracts, the bidders on Sec. 1, Contract 2, being as follows: (1) Henry P. Burgard, Prudential Bldg., Buffalo, N. Y.; (2) W. J. Gawne, 1405 Williams Bldg., Cleveland, O.; (3) Wm. and John McMahon, Toledo, O.; (4) Peoples Construction Co., and J. C. Carland, Davenport, Ia., and Toledo, O.; (5) C. H. Fath & Son Construction Co., Chamber of Commerce, Cleveland, O. The bidders on Sec. 2, Contract 3, were as follows: (1) Peoples Construction Co. and J. C. Carland; (2) C. H. Fath & Son Construction Co.; (3) Breymann & O'Neil, Toledo, O.; (4) Thos. McKinney & Son, Toledo, O.; (5) Wm. and John McMahon; (6) W. J. Gawne; (7) Henry P. Burgard. The bids received for the work were as follows, the totals A, B, C, D, representing whether the work is to be done by open cut method, tile lining, tunnel method, tile lining, etc., as shown under 1A, 1B, 1C and 1D:

PORTLAND CEMENT.—Washington, D. C.—Following bids per bbl. were received Sept. 12 by Isthmian Canal Commission for 20,000 bbls., 375 to 380 lbs. to bbl., to be delivered at Colon or La Boca, Canal Zone: Alfred Hiller Co., New Orleans, La., "Alsen Brand" German, $2.47, delivered 5,000 bbl. lots, $2.37, delivered entire lot, $2.27; Carr Bros., New York, "Wouldham, 1900, London," "Red Cross Brand," delivered at Colon, $1.95, (6 cts. reduction in 5,000 bbl. lots), La Boca, $2.49, (duty not included); Lanahan & Molo "Alsen German Brand" $2.06; F. S. Banks Co., "Saturn German Brand," $1.98, 99-100; J. K. Joyce, Chicago, brand not stated, $2.37; Commercial Wood & Cement Co., New York, $2.32; Alpha Portland Cement Co., "Alpha Brand," $2.35; Landenburg & Thatman, New York, "Germania," $2.06.

*DREDGING.—New York, N. Y.—Following bids per cu. yd., scow measurement, were received Sept. 14, by Col. W. R. Livermore, U. S. Engrs., for (1) dredging in Mamaroneck Harbor, N. Y., 6,667 cu. yds., (2) in Portchester Harbor, N. Y., 12,000 cu. yds., (3) in East Chester Creek, N. Y., 7,143 cu. yds.: Seely-Taylor Co., 78 Broad St., New York, (1) 38 cts., (2) 41 cts., (3) 35 cts. John & Joseph McSpirit, 118 Wayne St., Jersey City, N. J., (1) 27 cts., (2) 25 cts., (3) 42 cts. No bids were received for dredging in Great South Bay.

Bids Received at Toledo, O., Sept. 7, 1905, by the Board of Public Service for Constructing Secs. 1 and 2 of the Filtered Water Conduit; Contracts Nos. 2 and 3 for the Improvement of Water Supply.

CONTRACT NO. 2, SECTION NO. 1.

	1A Open cut tile lining. 4,100 ft.	1B Tunnel tile lining. 4,100 ft.	1C Open cut mortar face lining. 4,100 ft.	1D Tunnel mortar face lining. 4,100 ft.	2 Reinforcing steel rods. 50 tons.	3 Extra concrete. 200 cu. yds.	4 Plank flooring. 20,000 ft. B.M.	5 Manholes complete. 4	6 Blow-off. 75 ft.	Total bid. A	Total bid. B	Total bid. C	Total bid. D
(1)	.....	$16.50	.....	$14.47	$75.00	$9.00	$45.00	$200.00	$9.00	.....	$75,575	.....	$67,252
(2)	$25.00	16.25	$23.00	14.25	100.00	8.00	35.00	485.00	6.35	$112,216	76,341	$104,016	68,141
(3)	.....	.....	.....	7.65	90.00	8.00	40.00	150.00	3.00	.....	.....	.....	39,090
(4)	28.00	28.00	22.25	22.25	100.00	9.50	40.00	250.00	7.50	103,562	103,562	100,487	100,487
(5)	.....	21.50	.....	21.65	100.00	12.00	30.00	500.00	2.00	.....	98,300	.....	98,915

CONTRACT NO. 3, SECTION NO. 2.

	2,900 ft.	2,900 ft.	2,900 ft.	2,900 ft.	30 tons.	140 cu. yds.	15,000 ft.	3	75 ft.				
(1)	$22.50	$22.50	$21.75	$21.75	$100.00	$9.50	$40.00	$250.00	$7.50	$71,492	$71,492	$69,317	$69,317
(2)	.....	22.25	.....	22.40	100.00	12.00	30.00	500.00	2.00	.....	71,305	.....	71,740
(3)	26.00	25.00	24.00	20.00	200.00	.....	40.00	200.00	3.00	82,825	79,925	77,025	65,425
(4)	28.00	18.50	19.00	14.50	140.00	7.00	60.00	80.00	9.00	73,695	60,645	62,095	49,045
(5)	.....	.....	.....	7.65	90.00	8.00	40.00	150.00	3.00	.....	.....	.....	27,280
(6)	25.00	16.25	23.00	14.25	100.00	8.00	35.00	485.00	6.35	79,076	53,701	73,276	47,901
(7)	.....	16.50	.....	14.47	75.00	9.00	45.00	210.00	9.00	.....	56,310	.....	47,423

PIPE SEWERS.—Watertown, Wis.—Bids were received Aug. 29 by Board Public Works, E. B. Parsons, Cy. Engr., for constructing pipe sewers, the contract being let to ELZY & DUNN, Marshalltown, Ia., at the following bid: 15 manholes, $40; 6 automatic flush-tanks, $75; 2,060 ft. 18-in. sewer, $1.73; 704 ft. 12-in. sewer, $0.85; 992 ft. 10-in. sewer, $0.73; 3,205 ft. 8-in. sewer, $0.65; total, $7,995. Price bid per ft. does not include repaving, but does include excavation.

*JETTY EXTENSION.—Newport, R. I.—E. S. Belden & Sons, Hartford, Conn., at $1.93 per ton of 2,000 lbs., was only bidder for extending jetty at Point Judith Pond, R. I. About $9,000 is to be expended on the contract, bids for which were opened Sept. 14 by Lt.-Col. J. H. Willard, U. S. Engrs.

*DREDGING, ETC.—Charleston, S. C.—Following bids were received Sept. 9 by Capt. G. P. Howell, U. S. Engrs., for dredging between Charleston Harbor and Bulls Bay (inland waterway between Charleston and Alligator Creek): (1) Charles P. Grim, Philadelphia, Pa.; (2) P. Sanford Ross, Inc., Jersey City, N. J.; (3) Simons-Mayrant Co., Charleston, S. C.; (4) North American Dredging Co., San Francisco, Cal.:

Bids received at Charleston, S. C., Sept. 9, 1905, by Capt. G. P. Howell, U. S. Engineers, for Dredging between Charleston Harbor and Bulls Bay (Inland Waterway between Charleston and Alligator Creek).

	(1)	(2)	(3)	(4)
Prices for dredging per cu. yd., place measurement*.....	$0.31	$0.32	$0.36	$0.39
Prices for revetment, piling in place, lin. ft.....	.15	.192	.20	.20
" " planking in place per 1000 ft., B.M.	30.00	26.90	25.00	27.00
Prices for driving range piles, each.....	3.00	3.00	5.00	10.00
Monthly rate, cu. yds.....	30,000	22 000	20.000	30,000
Time of beginning after notice of approval of contract..	90 days	60 days	60 days	60 days
Remarks.....				

* Estimated quantity, 257,000 cu. yds.

*DREDGING.—Mobile, Ala. — Following bids, per cu. yd., place measurement, were received Sept. 5 by Major W. E. Craighill, U. S. Engrs., for dredging in Mobile Harbor: Mississippi Dredg. Co., Mobile, Ala., 10.98 cts.; Southern Dredg. Co., Mobile, Ala., 13 cts.; Chas. G. Ollinger, Mobile, Ala., 14 cts.; Bowers Southern Dredg. Co., Galveston, Tex., 9 cts., (recommended for acceptance); Geo. W. Catt, Park Row Bldg., New York, 13 cts. About $40,000 is to be expended under the contract.

*DREDGING.—New York, N. Y.—Following bids per cu. yd., scow measurement, were received Sept. 12 by Col. W. R. Livermore, U. S. Engrs., for dredging in Hudson River, N. Y.: International Contracting Co., New York, 35 cts.; Ambrose C. Driscoll, 306 Noxon St., Syracuse, N. Y., 26 cts.; The Newburgh Dredging Co., Newburgh, N. Y., 22½ cts.; Morris & Cumings Dredging Co., 17 State St., New York, 34½ cts. 280,000 cu. yds. can be dredged at price of lowest bid. For dredging in Rondout Harbor, N. Y., following bids were received: John P. Randerson, 755 Madison Ave., Albany, N. Y., 18 cts.; Ambrose C. Driscoll, 306 Noxon St., Syracuse, N. Y., 24 cts. 27,778 cu. yds. can be dredged at price of lowest bid.

WATER-WORKS EXTENSION. — Ames, Ia.—Bids were received Sept. 4 by City Council, A. B. Maxwell, Cy. Clk., for extension of city water-works, the Des Moines Bridge & Iron Works, Des Moines, Ia., being low bidder at the following bid: 12-in. c.-i. water main, laid, complete, including specials, 397 ft., $1.85; 10-in. c.-i. water main, laid, complete, including specials, 220 ft., $1.50; 8-in. c.-i. water main, laid, complete, including specials, 1,317 ft., $1.11; 6-in. c.-i. water main, laid, complete, including specials, 7,522 ft., $0.86; 4-in. c.-i. water main, laid, complete, including specials, 15,475 ft., $0.57; 1¼-in. w. i. or steel main, laid, complete, including specials, 2,700 ft., $0.25; hydrants set, complete, 34, $31; 10-in. valves and boxes, set, complete, 3, $31; 8-in. valves and boxes, set, complete, 4, $24; 6-in. valves and boxes, set, complete, 10, $17; 4-in. valves and boxes, set, complete, 49, $12; 1¼-in. valves and boxes, set, complete, 20, $5; water tower, complete, $5,193; main reservoir, complete, $1,703; aerator, $495; 10-in. well, cased, 125 ft., $375; electric deep well pumping plant, complete, $1,290; underwriters' pump, complete, $1,226; 19-ft. × 45-ft. addition to main pumping station, complete, $1,815; total, $32,690.

PAVING BRICK.—Mercer, Pa.—Bids were received Sept. 6 by this city, J. M. Campbell, Clk., for furnishing 400,000 vitrified fire clay paving brick to be used on East Market St., the contract being let to Pennsylvania Clay Co., Rochester, Pa., at $9.20 per 1,000.

INDUSTRIAL NOTES.

A. L. REGISTER & CO., announce that they have succeeded to the business of Pepper & Register, Engineers and General Contractors, 112 North Broad St., Philadelphia, Pa.

FRAZIER, FOX & SPENCER, a firm of Consulting Engineers, 718 Rockefeller Bldg., Cleveland, O., has just been formed by J. W. Frazier, Assoc. M. Am. Soc. C. E.; J. H. Fox, M. Am. Soc. M. E.; J. C. Spencer, M. Am. Soc. C. E. Messrs. Frazier and Fox have been connected for about six years with the Brown Hoisting Machinery Co., of Cleveland, O., in the designing and contracting department. Mr. Spencer for several years was connected with the engineering and designing department of the American Bridge Co., and during the past year has been practicing as Consulting Architectural Engineer.

THE MORSE CHAIN CO., Trumansburg, N. Y., is now building at Ithaca, N. Y., a plant of about five times the present capacity. The company was incorporated in 1898, no change having been made either in the name or personnel since starting, Mr. F. L. Morse being the Treasurer and General Manager. The plant was oiginally started for the manufacture of bicycle chains, but in 1901 they brought out the present high speed silent running chain. In the line of power transmission the Morse Co. has in service chains transmitting over 75,000 HP., and are furnishing drives up to 500 HP. for a single transmission.

THE DAYTON PNEUMATIC TOOL CO. has appointed Mr. Wm. Francis, 803 Empire Bldg., Pittsburg, to represent it in the Pittsburg district. Royce & Ricketts, Commercial Bank Bldg., Washington, have been appointed the Southeastern representatives. This company reports a very satisfactory business for the month of August, and additional equipment, consisting of turret lathes, milling machines, etc., is being installed at its Dayton, O., works to enable them to take care of the increasing business. With this additional equipment the output of "Green" pneumatic hammers will be increased about 75%.

THE EAST JERSEY PIPE CO.—Mr. Thos. H. Gillespie, of the T. A. Gillespie Company, and Mr. S. B. Cox, formerly with the Lackawanna Steel Company, beg to announce that they have purchased the interest of Mr. Thos. H. Milson in The East Jersey Pipe Co. The business of manufacturing riveted steel pipe, tanks, stacks, caissons, air locks, etc., will be carried on by them; and to this has been added the manufacturing of the celebrated Ferguson Lock Bar Steel Pipe, the American manufacturing rights for which are owned by this company. The officers of the company now are: President, Thos. H. Gillespie; Treasurer, S. B. Cox; Secretary, Jas. H. Huyssoon. General offices, 71 Broadway, New York; Works, Paterson, N. J.

For other Proposal Advertisements see pages 43, 44, 45, 46, 47, 48, of Advertisements and Construction News page 106.

BRICK PAVEMENT.

RANDOLPH STREET IMPROVEMENT.

Champaign, Illinois.

Notice is hereby given that sealed bids will be received by the Board of Local Improvements of the City of Champaign, Illinois, until 2 o'clock p. m., on Friday, September 22d, 1905, for the construction of the Randolph Street improvements in accordance with the ordinance therefore.

Specifications, contracts, bidding blanks and copies of the ordinance, together with plats, drawings and profiles attached thereto, can be had at the office of George C. Fairclo, City Engineer of the City of Champaign, Illinois.

Improvement bonds bearing interest at the rate of five (5) per centum per annum will be issued in payment of said work, which bonds must be accepted by the contractor to whom the contract is awarded at par value and subject to the provisions of section 73 of an act entitled "An Act Concerning Local Improvements," approved June 14, 1897, in force July 1, 1897, and the amendments thereto.

All proposals or bids offered shall be accompanied by cash or by a check payable to the order of Shields A. Blaine, President of the Board of Local Improvements of Champaign, Illinois, in his official capacity, certified by a responsible bank, for an amount which shall not be less than ten (10) per centum of the aggregate amount of the proposal. No bids will be considered unless accompanied by cash or check. All proposals and bids must be delivered to the Board of Local Improvement of Champaign, Illinois, at the office of the Mayor of said City in the City Building on or before the above mentioned day and hour.

The Board of Local Improvements reserves the right to reject any and all bids, and to award the contract to the property owners, as provided by law.

The approximate quantities on Randolph Street are as follows: Excavation, 11,000 cubic yards; brick pavement on concrete foundation with cement grout filler and expansion joints of asphalt, 22,600 square yards; combination concrete curb and gutter, 15,295 lineal feet; stone retaining curb and false curb, 1,188 lineal feet; resetting old retaining curb, 335 lineal feet; 60 gutter plates.

Vitrified drain tile, laid, 1,110 feet, 18-inch, average cut, 9½ ft.

Vitrified drain tile, laid, 560 feet, 12-inch, average cut, 6 ft.

Vitrified drain tile, laid, 460 feet, 10-inch, average cut, 4½ ft.

Vitrified drain tile, laid, 650 feet, 8-in, average cut, 4½ ft.

Relaying 100 feet of 24-inch tile; 40 catch basins; one brick arch over stream; one reinforced concrete bridge.

Samples of brick (30 brick of each sample) to be used must be submitted for testing at least five (5) days before the date of opening bids. Said sample shall be deposited with the City Engineer at his office in the City Building.

Dated this 8th day of September, 1905.

SHIELDS A. BLAINE, Mayor,
GEORGE C. FAIRCLO, City Engineer,
W. I. ROYSDON, Supt. of Streets,
Board of Local Improvement, Champaign, Ill.

12-1t

SEWERS AND APPURTENANCES.

Office of the Municipal Board,
Manila, August 1, 1905.

Sealed bids or proposals will be received until 12 m., January 12, 1906, for the construction of a system of sewers and appurtenances for the city of Manila, Philippine Islands.

The total length of sewers will be approximately 52 miles, of which 7.5 miles will be of brick and concrete sewer ranging in size from 4.75 feet in diameter to 2 by 3 feet egg-shaped and laid at depths from 12 to 20 feet below the surface; and 43 miles will be of pipe sewers, from 8 inches to 24 inches in diameter, laid at depths of from 5 to 18 feet.

In addition to this there will be one 42-inch cast-iron outfall pipe 6,500 feet in length laid below the bed of the harbor on a pile foundation; besides one double line of 24-inch flexible-joint cast-iron pipe, 650 feet in length, crossing the Pasig River.

The above work will be let as one contract, and each proposal must be accompanied by a certified check for $50,000, drawn on a local bank, or a bond drawn for a like amount signed by a fidelity insurance company authorized to give such bonds in the Islands, and no bid shall be considered unless such check or bond accompany it.

A surety-company bond for an amount equal to 20 per cent. of the gross amount of the contract will be required of the successful bidder.

Specifications, general plans, and blank forms of proposals may be obtained at the office of the Board after August 1, 1905. Plans and specifications may be seen at the office of the Bureau of Insular Affairs, War Department, Washington, D. C.

The right is reserved to reject any or all bids.

G. S. LANE,
Acting Secretary of the Municipal Board.
J. F. CASE,
Chief Engr. Department of Sewer and Water-Works Construction.

Plans and specifications for this work may be seen at the office of Engineering News, 220 Broadway, New York.

BOILERS, LAKE VIEW PUMPING STATION.

Department of Public Works.
Chicago, Sept. 11, 1905.

Sealed proposals will be received by the city of Chicago until 11 a. m. Wednesday, October 4, 1905, at room 222 City Hall, for furnishing and erecting in the boiler room of the Lake View pumping station, Montrose Boulevard and Clarendon Avenue, in the city of Chicago, four (4) two hundred and fifty (250) horse-power internally fired horizontal return tubular boilers, fitted with furnaces and necessary appurtenances, according to plans and specifications on file in the office of the Department of Public Works of said city, room 222 City Hall.

Proposals must be made out upon blanks furnished at said office, and be addressed to said department, indorsed "Proposals for Lake View Pumping Station Boilers," and be accompanied with three thousand ($3,000) dollars in money or a certified check for the same amount on some responsible bank located and doing business in the city of Chicago and made payable to the order of the Commissioner of Public Works.

The Commissioner of Public Works reserves the right to reject any or all bids.

No proposal will be considered unless the party offering it shall furnish evidence satisfactory to the Commissioner of Public Works of his ability, and that he has the necessary facilities, together with sufficient pecuniary resources, to fulfill the conditions of the contract and specifications provided such contract should be awarded to him.

Companies or firms bidding will give the individual names as well as the name of the firm with their address.

J. M. PATTERSON,
12-2t Commissioner of Public Works.

SUBWAY.

DEPARTMENT OF PUBLIC WORKS.
Reading, Pa., Sept. 18, 1905.

Sealed proposals will be received at the office of the City Clerk [illegible] 3 p. m. Thursday, Sept. 28th, 1905, for the construction of the Subway under the P. R. R. Ry. tracks at Spring Street.

Each bid or proposal must be accompanied by a bond executed by a surety company existing under the laws of the State of Pennsylvania, or authorized to do business in the State of Pennsylvania [illegible] a certified check for the sum of $15,000 [illegible] the successful bidder will be required to enter into a contract bond in the sum [illegible] per centum of the estimated cost; said bond to be executed by a trust company existing under the laws of the State of Pennsylvania, or one authorized to do business in the State of Pennsylvania.

Plans and specifications of the work can be seen and proposal blanks had at the office of the City Engineer.

All proposals must be endorsed "Proposal for the construction of Subway," and addressed to the Board of Public Works, in care of Chas. C. Weltmer, City Clerk, Reading, Pa.

The right is reserved to reject any or all bids.

By order of the Board of Public Works.
12-1t ELMER H. BEARD, City Engineer.

WATER-WORKS.

Office of the Municipal Board,
Manila, P. I., July 20, 1905.

Sealed bids or proposals will be received by the secretary of the Municipal Board until 12 o'clock M., January 2, 1906, and thereupon opened, for the furnishing of materials for and the construction of a gravity water supply for the city of Manila, Philippine Islands.

The proposed work will consist of a masonry dam and inlet chamber; a steel pipe line forty-two inches in diameter and approximately ten and one-half miles long; a masonry conduit in tunnel and open cut about four and one-half miles long; a receiving and distributing reservoir, and the necessary gates, gatehouses and appurtenances.

Specifications, general plans and blank forms of proposal may be obtained at the office of the secretary of the Municipal Board, Manila, P. I., or from the Chief of the Bureau of Insular Affairs, Washington, D. C.

Each bid shall be accompanied by a certified check for twenty thousand dollars ($20,000) as a guaranty that the bidder, if awarded the contract, will, after due notification, promptly enter into contract and furnish an acceptable bond in the sum of twenty (20) per cent. of the sum total of the contract price for the faithful performance of the work.

The right is reserved to reject any or all bids.

G. S. LANE,
Acting Secretary of the Municipal Board.
J. F. CASE,
Chief Engr. Department of Sewer and Water-Works Construction.

Plans and specifications for this work may be seen at the office of Engineering News, 220 Broadway, New York.

OFFICE OF THE COMMISSIONERS, D. C., Washington, D. C., Sept. 19, 1905. Sealed proposals will be received at this office until 12 o'clock noon, October 14, 1905, to lay cement sidewalks in the District of Columbia. Blank forms of proposal and specifications, together with all necessary information, may be obtained at the office of the Engineer Commissioner, D. C. Henry B. F. Macfarland, Henry L. West, John Biddle, Commissioners, D. C. 12-2t

U. S. ENGINEER OFFICE, Fisherman's Point, Guantanamo Bay, Cuba, Sept. 6, 1905.—Sealed proposals for furnishing 6,500 barrels Portland Cement, on wharf at Conde Beach, Guantanamo Bay, Cuba (depth of water at low tide 18 feet), or f. o. b. Prentice Stores, Brooklyn, will be received at Room S-7, Army Building, New York, N. Y., until 12 noon, Oct. 10, 1905, and then publicly opened. Information may be had upon application at Room S-7, Army Building, New York, N. Y., or at Fisherman's Point, Cuba. CAPT. E. H. SCHULZ, Engrs. 11-4t

SITUATIONS OPEN

WANTED.—Foreman who has had experience in concrete building construction. Address F. R. LONG CO., Hackensack, N. J. 12-2t

TWO EXPERIENCED DRAFTSMEN, capable of designing all style of industrial contractors and similar cars, wanted immediately for large plant in Pittsburg district. Good position for right man. Apply with full particulars, stating age, experience, and salary expected, to S. A. 12, Engineering News, New York. 12-1t

WORKS.
18, 1906.
ed at the of-
n. Thursday,
ction of the
y. tracks at

accompanied
mpany exist-
of Pennsyl-
ness in the
tified check
e successful
into a con-
centum of
be executed
er the laws
or one au-
ate of Penn-

work can
at the of-

d "Proposal
" and ad-
rks, in case
s, Reading,

any or all

Works.
y Engineer

l Board.)
20, 1906.)
e received
pal Board
1906, and
lishing of
tion of a
of Manila,

of a ma-
steel pipe
and sp-
s long; a
open dit
of a recei-
the neces-
enances.
nd blank
ed at the
Municipal
hief of the
ton, D. C.
by a cer-
d dollars
bidder, if
ue notifi-
and fur-
of twenty
contract
e of the

ny or all

E.
l Board.
E,
wer and

his work
gineering

S, D. C.,
Sealed
fice until
o lay ce-
olumbia.
fications.
ion, may
Engineer
Maclar-
Commis-
12-21

rman's
6, 1906.
500 bet-
Conde
of wa-
Prentice
Room
., until
publicly
ion 32-
g, New
Cuba.
11-16

EN

erienced
Ad-
, N. J.
12-21

, cap-
strial,
d im-
rg dis-
Ap-
sgn.
S. A.
12-11

CONSTRUCTION NEW
Plans and Specificat
List of Contracts
Railways .....
Electric Railways
Light and Power
Bridges .....
Buildings .....
Water Supply and
Sewerage .....
Garbage Disposal
Streets and Roads
Manufacturing Pla
Miscellaneous Con
Mexico .....
Foreign Contracts
Contract Prices
READERS' WANTS
CIVIL SERVICE EX
INDUSTRIAL NOTE
TRADE PUBLICATIO
PROPOSALS .....

CONST

PLANS AND S

The following Plan
ding Sheets (B. S.)
gineering News Publi

Bids close Work.
Sept.
*29—Filters, basins,
*30—Water-works..N
Oct.
*3—Bridge..Natchit
*4—Paving..Steelto
4—Sewer..Salt La
*10—Filtration plant
*10—Sewers..Norris
*11—Water main..
14—Filling & gr'd'
*16—Water-works..
16—Sewer s't'm..C
21—Artesian well..
Jan.
*2—Water system
*12—Sewer system.

*Work advertised

NOTE.—We are
bidding sheets (and
work for file in our
tractors or others w
more sets than one
tribute these to
the work is advert
the plans are filed
ment without cost.

LIST OF

Bids close.

LIGHT,

Sept. 30. Power pl
Advertised,
Oct. 4. Lighting
Oct. 4. Generator
Oct. 9. Electric
Nov. 1. Generator
Advertised,
Nov. 2. Water wh
Advertised.
Dec. 2. Water po
Advertised.

Sept. 28. Concrete
Sept. 29. Bridges,
Sept. 30. Bridges,
Advertised
Sept. 30. Bridge,
Oct. 2. Bridges,
Oct. 1. Bridge,
Oct. 1. Steel br
Oct. 2. Bridge,
Oct. 2. Bridges,
Oct. 2. Bridges,
Oct. 2. Steel br
Oct. 2. Bridge,
Oct. 2. Bridges,
Oct. 2. Bridge,
Oct. 2. Bridge,
Oct. 3. Bridge,
Oct. 3. Bridge,
Oct. 3. Bridge,
Oct. 3. Bridge,
Oct. 2. Bridge,
Oct. 3. Bridge,
Advertised
Oct. 4. Bridge
Ad
Oct. 4. Bridge
Ad
Oct. 4. Bridge,
Oct. 6. Bridge,
Ad
Oct. 6. Bridge
Oct. 7. Steel
Oct. 7. Bridge
Oct. 9. Bridge
Oct. 10. Bridge
Oct. 11. Bridge
Oct. 14. Bridge
Oct. 30. Bridge
Advertis
Jan. 1. Steel